

Pantheon Report

Generated at 2018-06-30 20:44:51 (UTC).

Data path: Stanford Ethernet (*remote*) → AWS California 1 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

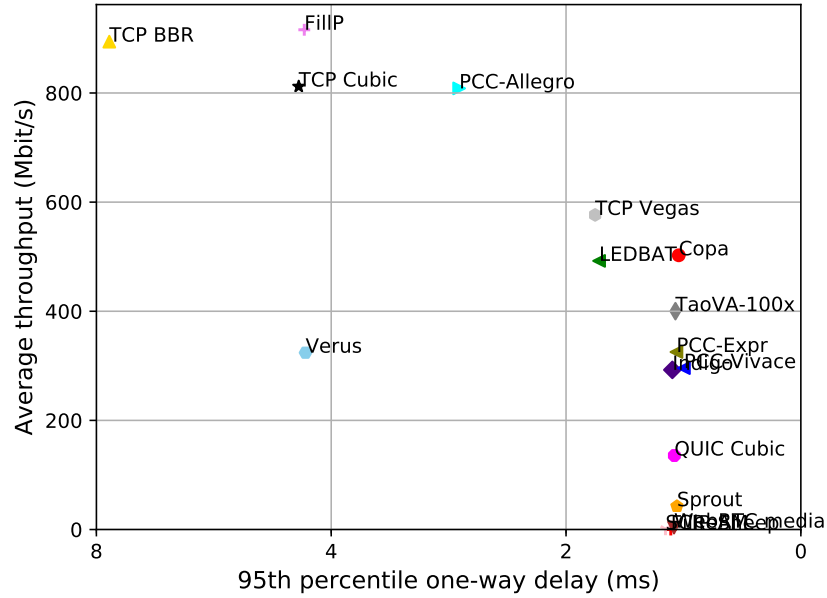
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

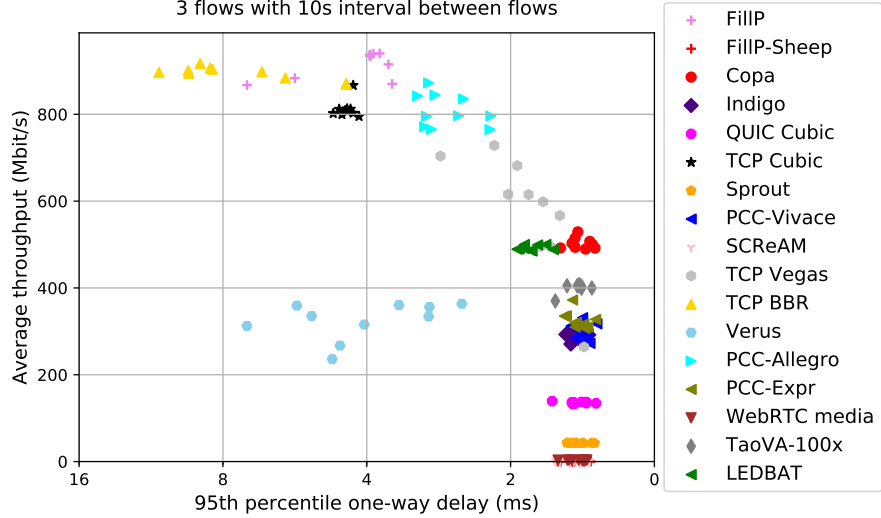
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Stanford to AWS California 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Stanford to AWS California 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	523.33	394.54	325.17	8.15	4.33	4.36	0.05	0.09	0.20
Copa	10	309.75	228.28	123.09	1.04	1.02	1.08	0.03	0.05	0.21
TCP Cubic	10	442.51	395.71	318.55	4.39	4.40	4.42	0.06	0.09	0.23
FillP	10	555.21	391.40	303.18	4.13	5.18	3.86	0.04	0.09	0.23
FillP-Sheep	10	0.00	0.00	0.00	1.09	1.10	1.09	0.00	0.00	0.00
Indigo	10	158.94	151.51	99.95	1.09	1.09	1.12	0.06	0.09	0.17
LEDBAT	10	291.40	221.67	160.71	1.63	1.86	1.71	0.04	0.09	0.28
PCC-Allegro	10	594.94	264.39	115.40	2.64	2.69	2.10	0.02	0.07	0.23
PCC-Expr	10	222.41	124.51	61.37	1.06	1.07	1.02	0.02	0.06	0.26
QUIC Cubic	10	74.36	65.18	54.10	1.07	1.07	1.07	0.05	0.10	0.21
SCReAM	10	0.22	0.22	0.22	1.15	1.14	1.13	0.07	0.13	0.25
Sprout	10	21.43	21.57	21.27	1.06	1.04	1.04	0.08	0.10	0.36
TaoVA-100x	10	226.03	200.27	122.99	1.04	1.07	1.29	0.03	0.06	0.21
TCP Vegas	10	266.14	322.43	288.59	1.56	1.86	1.76	0.06	0.09	0.20
Verus	10	200.61	132.56	107.94	5.04	2.35	1.96	0.03	0.09	0.17
PCC-Vivace	10	207.57	102.80	60.46	0.99	1.00	1.00	0.02	0.10	0.22
WebRTC media	10	1.72	1.22	0.53	1.08	1.08	1.08	0.03	0.03	0.07

Run 1: Statistics of TCP BBR

Start at: 2018-06-30 14:19:30

End at: 2018-06-30 14:20:00

Local clock offset: 3.391 ms

Remote clock offset: 3.159 ms

Below is generated by plot.py at 2018-06-30 19:01:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 906.26 Mbit/s

95th percentile per-packet one-way delay: 8.508 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 535.04 Mbit/s

95th percentile per-packet one-way delay: 9.040 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 394.86 Mbit/s

95th percentile per-packet one-way delay: 4.364 ms

Loss rate: 0.10%

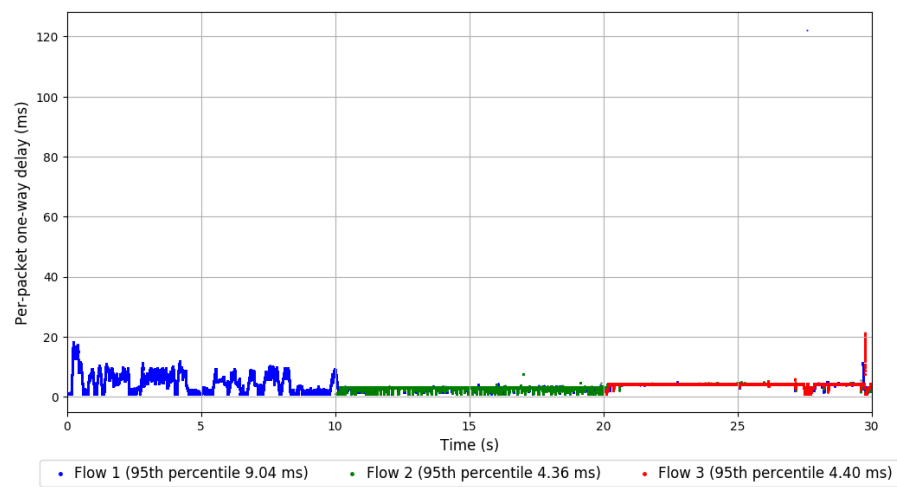
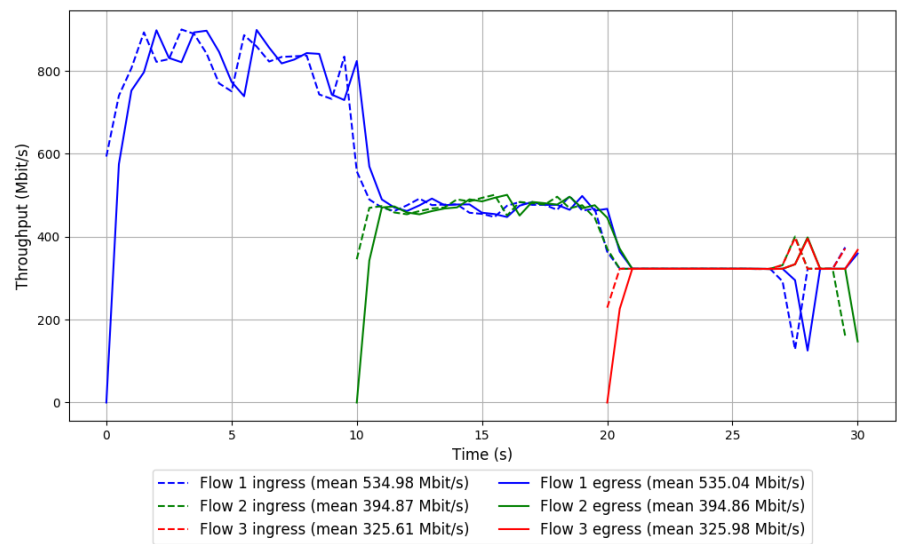
-- Flow 3:

Average throughput: 325.98 Mbit/s

95th percentile per-packet one-way delay: 4.403 ms

Loss rate: 0.10%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-30 14:46:02

End at: 2018-06-30 14:46:32

Local clock offset: 2.878 ms

Remote clock offset: 2.866 ms

Below is generated by plot.py at 2018-06-30 19:01:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 897.85 Mbit/s

95th percentile per-packet one-way delay: 6.629 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 526.76 Mbit/s

95th percentile per-packet one-way delay: 7.434 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 394.91 Mbit/s

95th percentile per-packet one-way delay: 4.630 ms

Loss rate: 0.09%

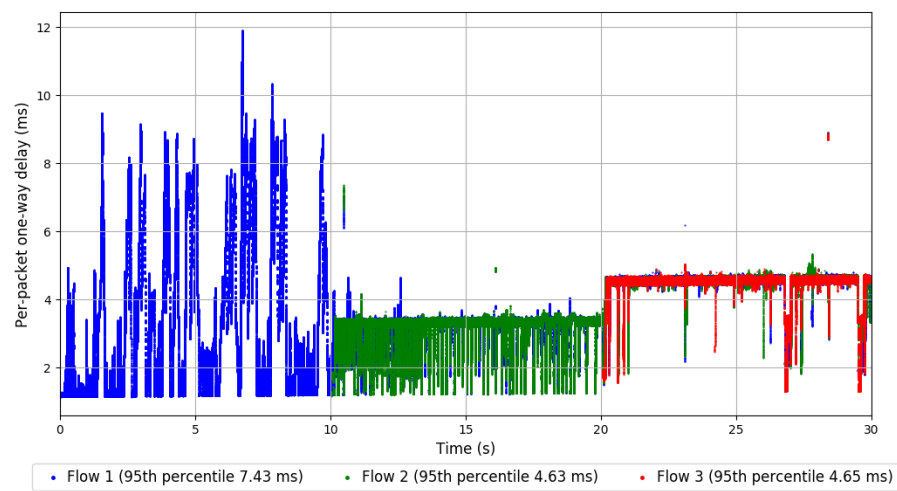
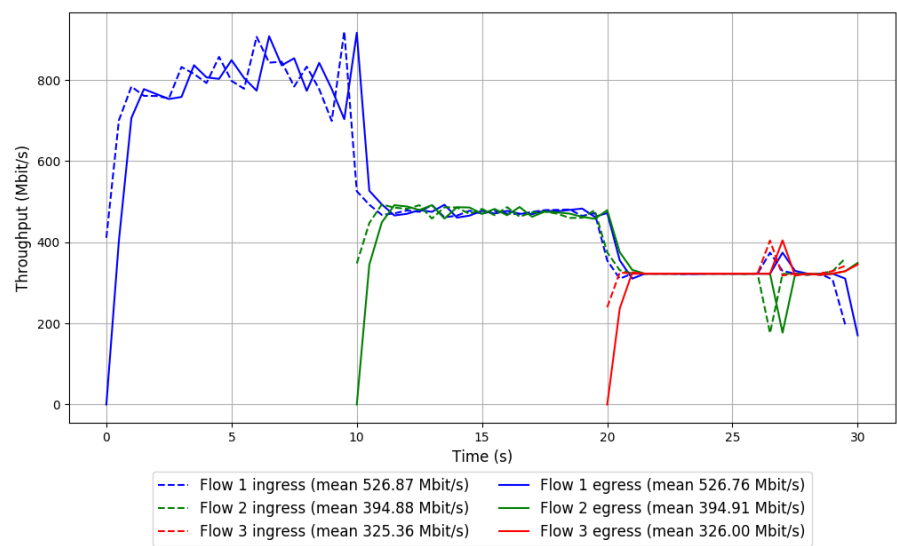
-- Flow 3:

Average throughput: 326.00 Mbit/s

95th percentile per-packet one-way delay: 4.648 ms

Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-30 15:12:40

End at: 2018-06-30 15:13:10

Local clock offset: -0.43 ms

Remote clock offset: 3.101 ms

Below is generated by plot.py at 2018-06-30 19:01:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 869.55 Mbit/s

95th percentile per-packet one-way delay: 4.416 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 496.55 Mbit/s

95th percentile per-packet one-way delay: 4.397 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 398.36 Mbit/s

95th percentile per-packet one-way delay: 4.415 ms

Loss rate: 0.09%

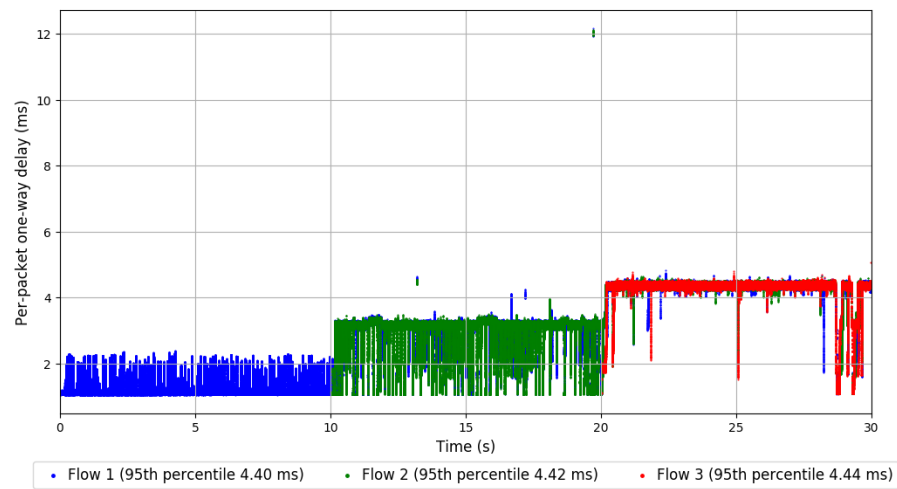
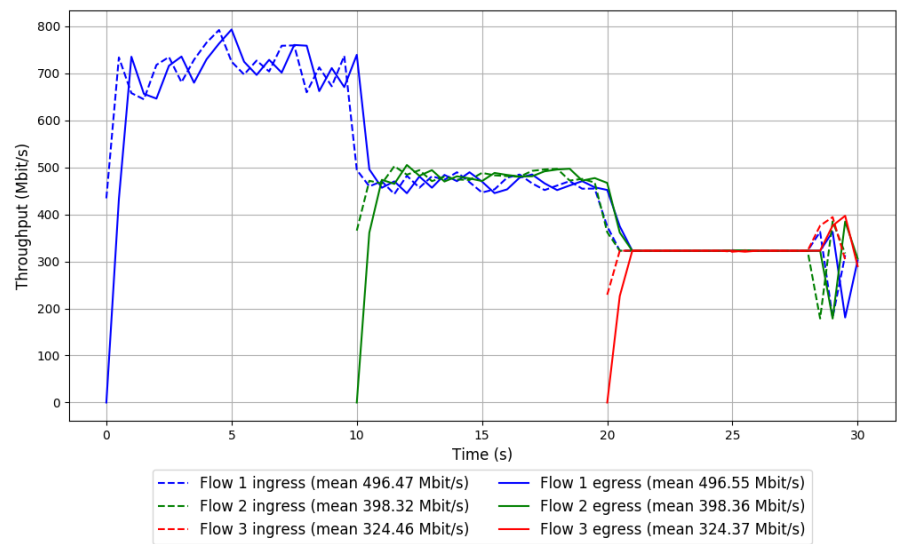
-- Flow 3:

Average throughput: 324.37 Mbit/s

95th percentile per-packet one-way delay: 4.444 ms

Loss rate: 0.22%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-30 15:39:13

End at: 2018-06-30 15:39:43

Local clock offset: 3.587 ms

Remote clock offset: 0.772 ms

Below is generated by plot.py at 2018-06-30 19:01:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 903.85 Mbit/s

95th percentile per-packet one-way delay: 8.417 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 535.30 Mbit/s

95th percentile per-packet one-way delay: 8.916 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 392.78 Mbit/s

95th percentile per-packet one-way delay: 4.085 ms

Loss rate: 0.11%

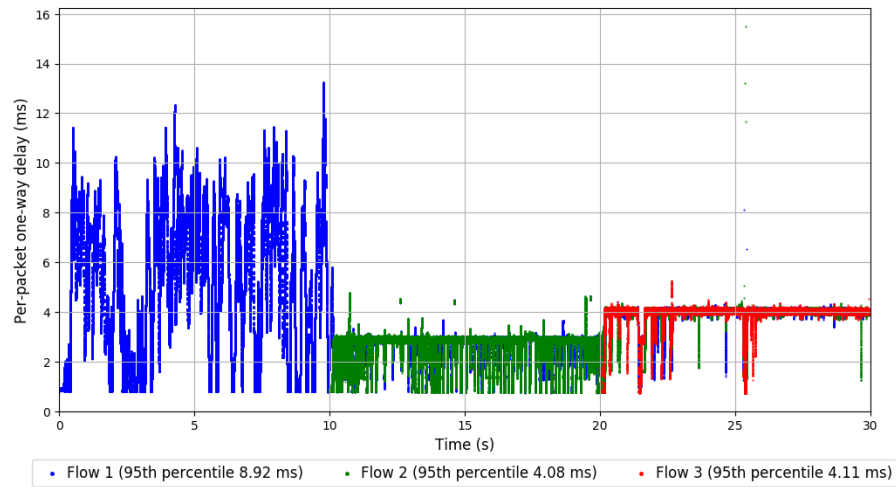
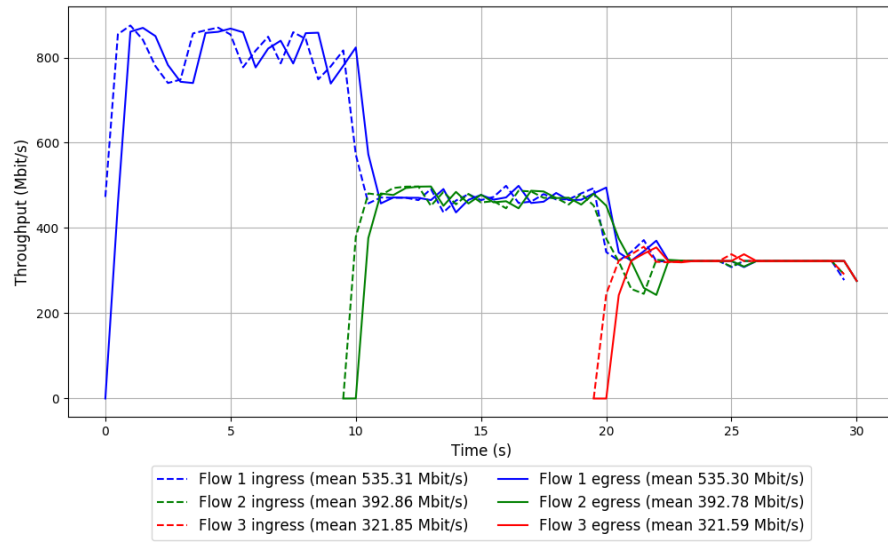
-- Flow 3:

Average throughput: 321.59 Mbit/s

95th percentile per-packet one-way delay: 4.114 ms

Loss rate: 0.28%

Run 4: Report of TCP BBR — Data Link

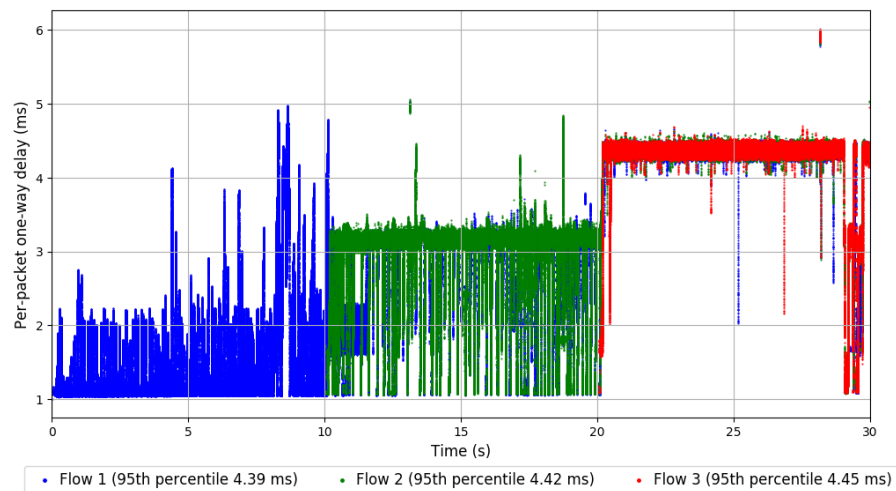
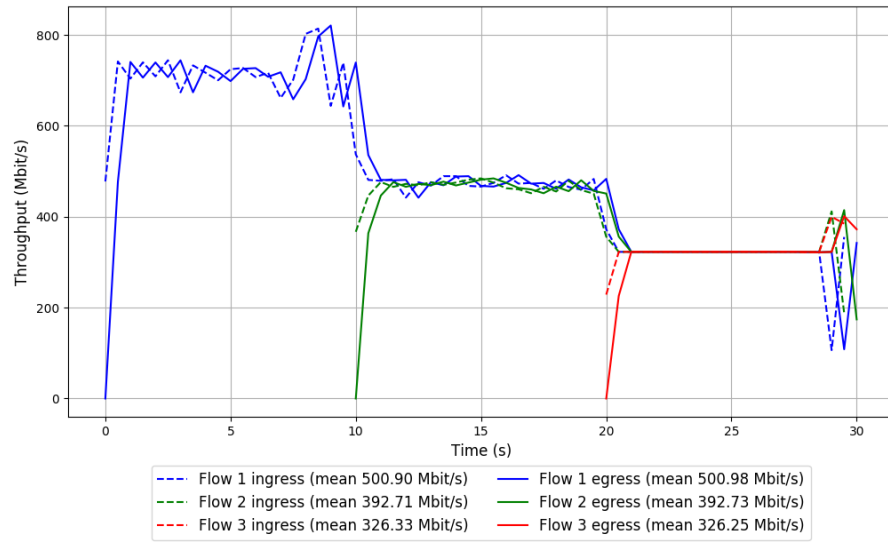


Run 5: Statistics of TCP BBR

Start at: 2018-06-30 16:05:46
End at: 2018-06-30 16:06:16
Local clock offset: 3.324 ms
Remote clock offset: -0.726 ms

Below is generated by plot.py at 2018-06-30 19:01:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 870.65 Mbit/s
95th percentile per-packet one-way delay: 4.416 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 500.98 Mbit/s
95th percentile per-packet one-way delay: 4.386 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 392.73 Mbit/s
95th percentile per-packet one-way delay: 4.419 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 326.25 Mbit/s
95th percentile per-packet one-way delay: 4.451 ms
Loss rate: 0.21%

Run 5: Report of TCP BBR — Data Link

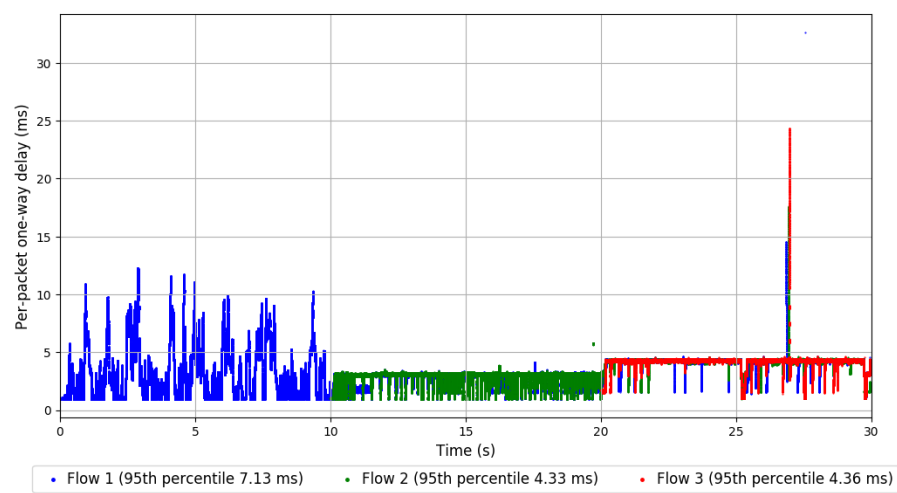
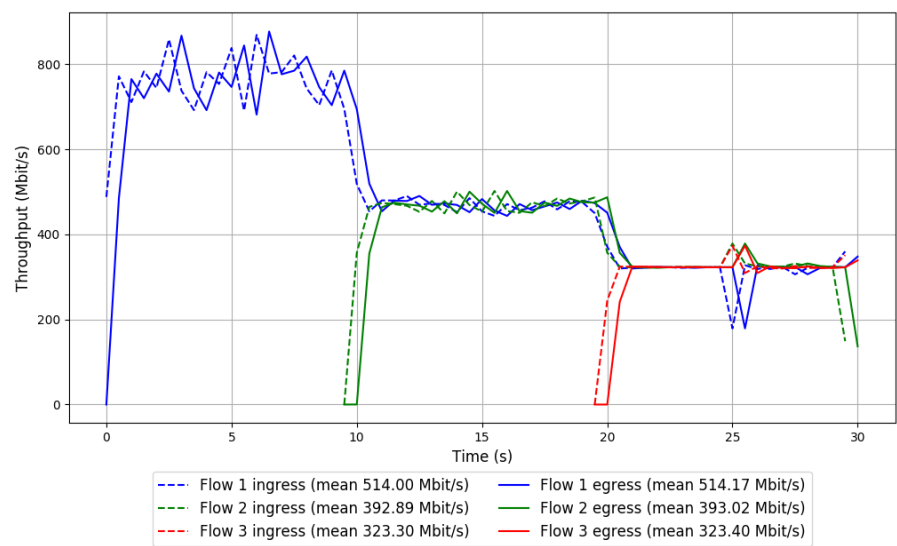


Run 6: Statistics of TCP BBR

Start at: 2018-06-30 16:32:12
End at: 2018-06-30 16:32:42
Local clock offset: 0.164 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2018-06-30 19:01:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 883.56 Mbit/s
95th percentile per-packet one-way delay: 5.921 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 514.17 Mbit/s
95th percentile per-packet one-way delay: 7.135 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 393.02 Mbit/s
95th percentile per-packet one-way delay: 4.330 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 323.40 Mbit/s
95th percentile per-packet one-way delay: 4.356 ms
Loss rate: 0.23%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-30 16:58:45

End at: 2018-06-30 16:59:15

Local clock offset: 2.563 ms

Remote clock offset: 3.465 ms

Below is generated by plot.py at 2018-06-30 19:01:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 894.50 Mbit/s

95th percentile per-packet one-way delay: 9.431 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 523.00 Mbit/s

95th percentile per-packet one-way delay: 9.849 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 394.99 Mbit/s

95th percentile per-packet one-way delay: 4.326 ms

Loss rate: 0.09%

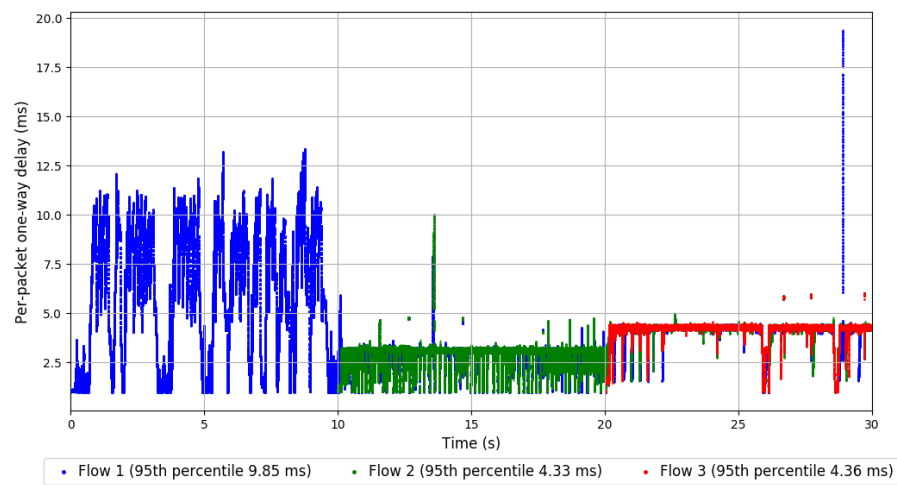
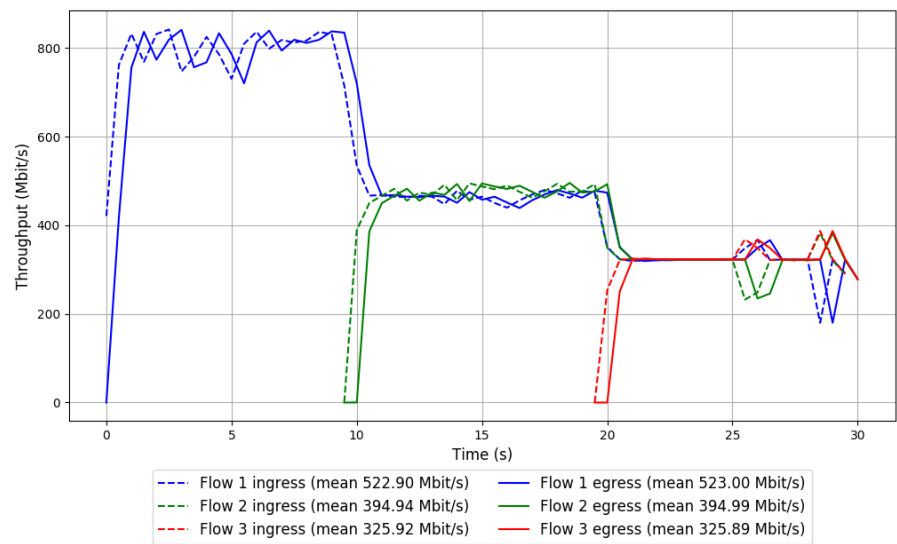
-- Flow 3:

Average throughput: 325.89 Mbit/s

95th percentile per-packet one-way delay: 4.355 ms

Loss rate: 0.22%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-30 17:25:26

End at: 2018-06-30 17:25:56

Local clock offset: 1.17 ms

Remote clock offset: 3.362 ms

Below is generated by plot.py at 2018-06-30 19:01:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 901.15 Mbit/s

95th percentile per-packet one-way delay: 9.455 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 529.28 Mbit/s

95th percentile per-packet one-way delay: 9.800 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 396.27 Mbit/s

95th percentile per-packet one-way delay: 4.506 ms

Loss rate: 0.09%

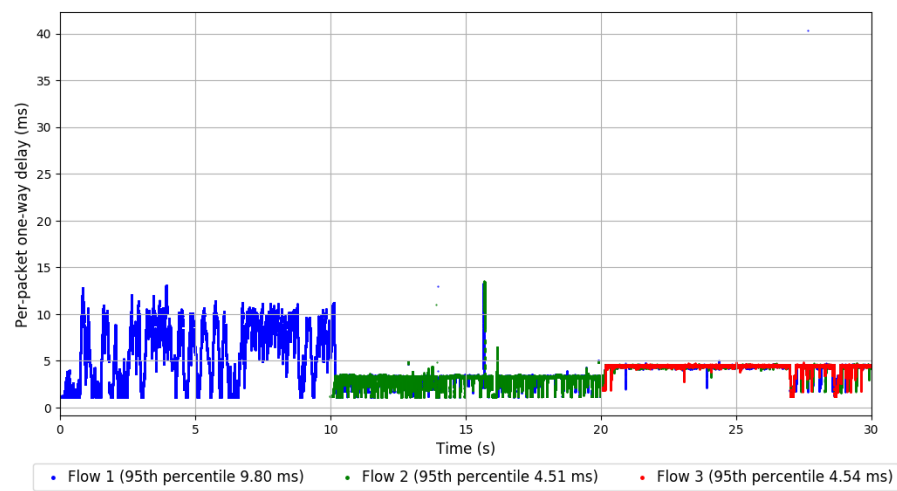
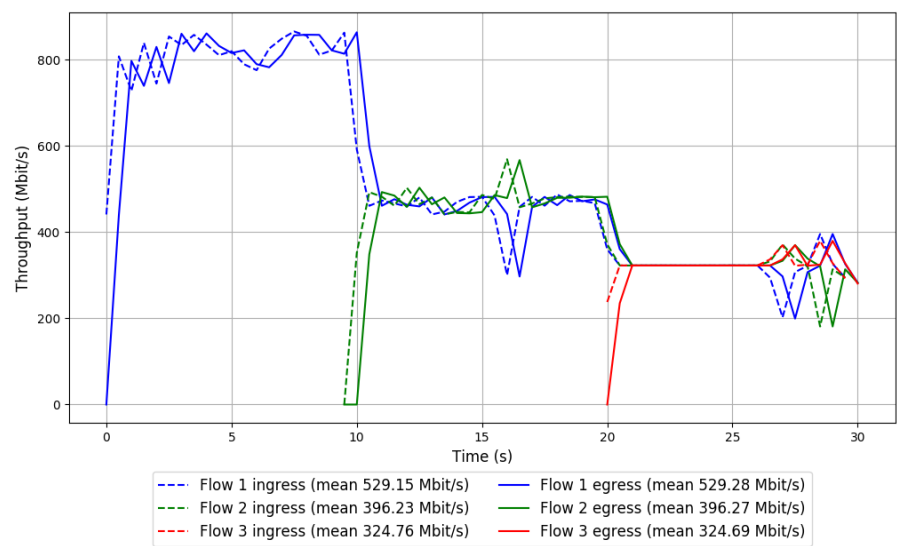
-- Flow 3:

Average throughput: 324.69 Mbit/s

95th percentile per-packet one-way delay: 4.537 ms

Loss rate: 0.23%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-30 17:52:04

End at: 2018-06-30 17:52:34

Local clock offset: 2.006 ms

Remote clock offset: 1.344 ms

Below is generated by plot.py at 2018-06-30 19:11:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 917.00 Mbit/s

95th percentile per-packet one-way delay: 8.928 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 545.46 Mbit/s

95th percentile per-packet one-way delay: 9.293 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 394.14 Mbit/s

95th percentile per-packet one-way delay: 3.997 ms

Loss rate: 0.09%

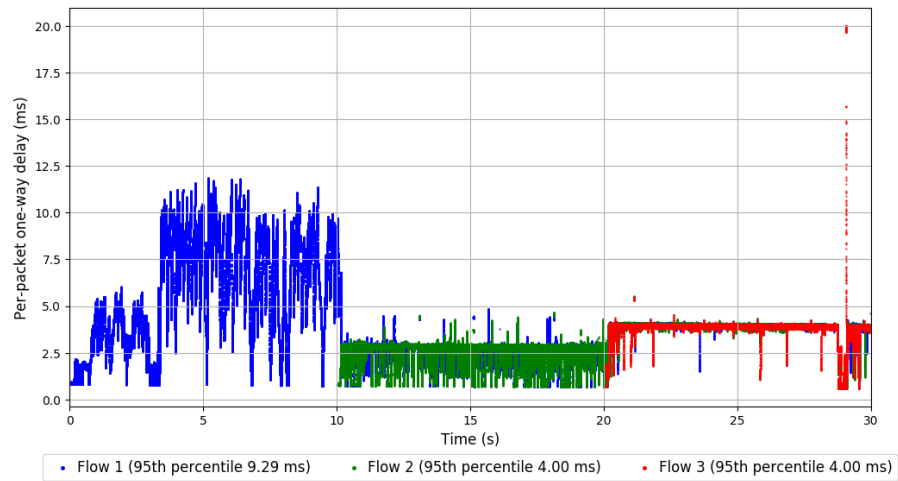
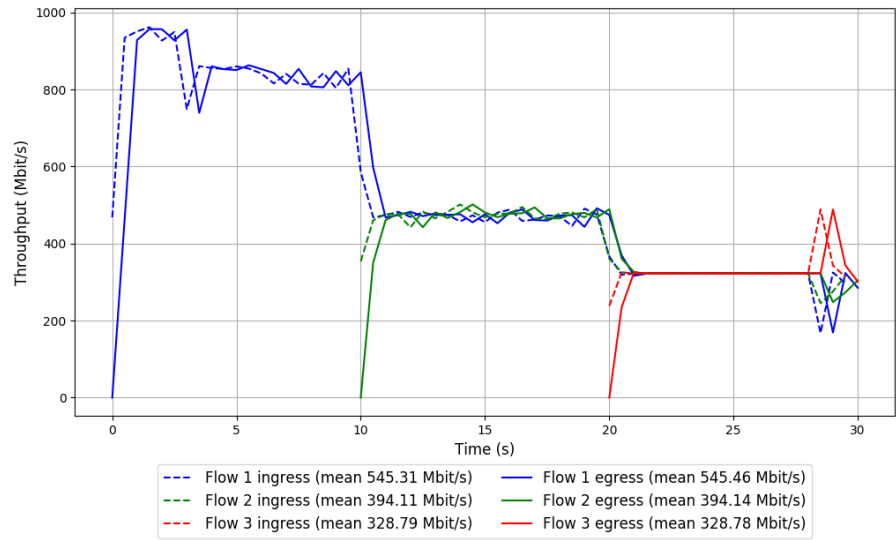
-- Flow 3:

Average throughput: 328.78 Mbit/s

95th percentile per-packet one-way delay: 3.997 ms

Loss rate: 0.22%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-30 18:18:28

End at: 2018-06-30 18:18:58

Local clock offset: 3.812 ms

Remote clock offset: -1.17 ms

Below is generated by plot.py at 2018-06-30 19:11:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 896.57 Mbit/s

95th percentile per-packet one-way delay: 10.886 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 526.77 Mbit/s

95th percentile per-packet one-way delay: 11.245 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 393.32 Mbit/s

95th percentile per-packet one-way delay: 4.268 ms

Loss rate: 0.09%

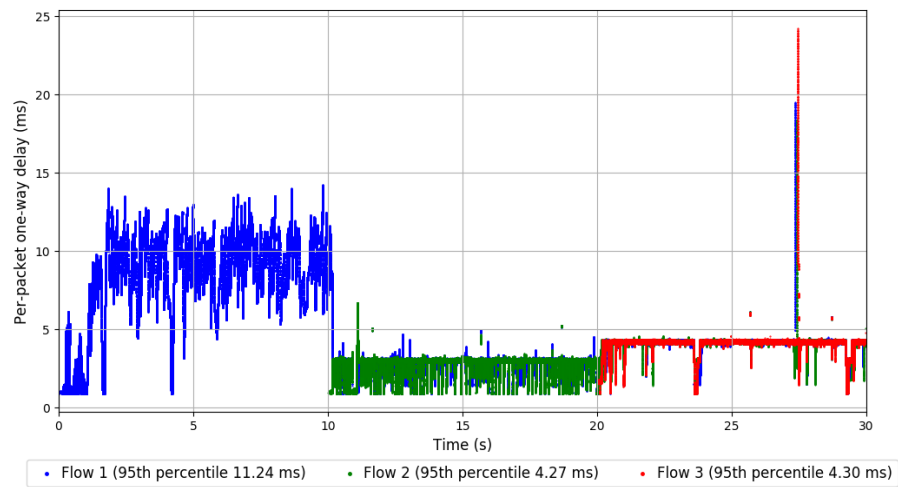
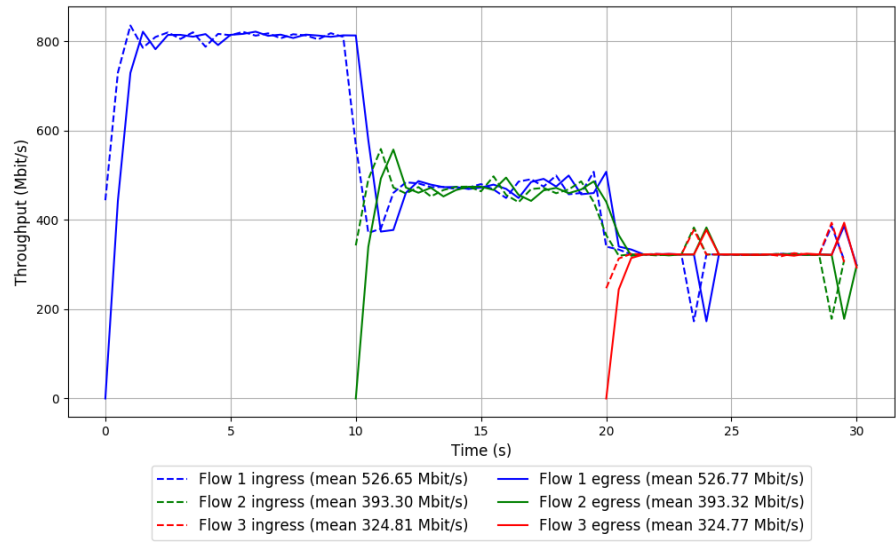
-- Flow 3:

Average throughput: 324.77 Mbit/s

95th percentile per-packet one-way delay: 4.299 ms

Loss rate: 0.23%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-30 14:14:50

End at: 2018-06-30 14:15:20

Local clock offset: 3.672 ms

Remote clock offset: 3.071 ms

Below is generated by plot.py at 2018-06-30 19:11:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 514.82 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 313.03 Mbit/s

95th percentile per-packet one-way delay: 1.093 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 236.11 Mbit/s

95th percentile per-packet one-way delay: 1.090 ms

Loss rate: 0.05%

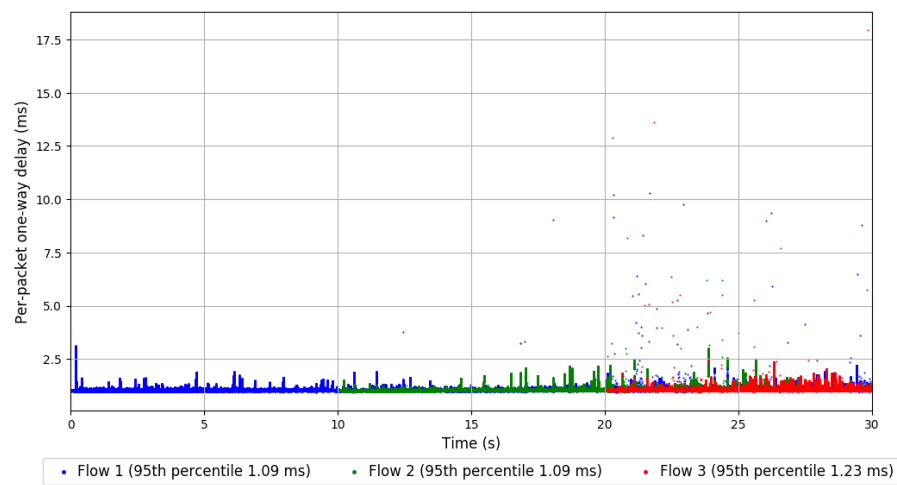
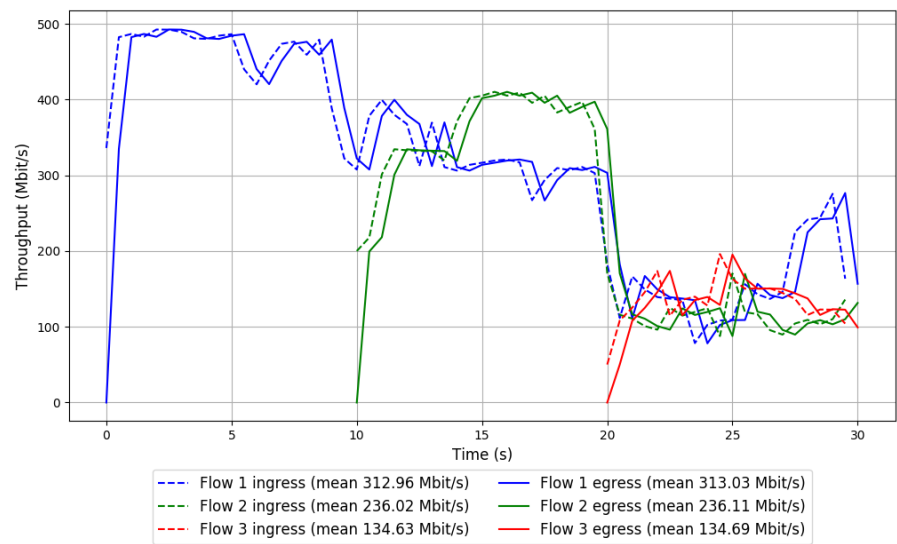
-- Flow 3:

Average throughput: 134.69 Mbit/s

95th percentile per-packet one-way delay: 1.230 ms

Loss rate: 0.19%

Run 1: Report of Copa — Data Link

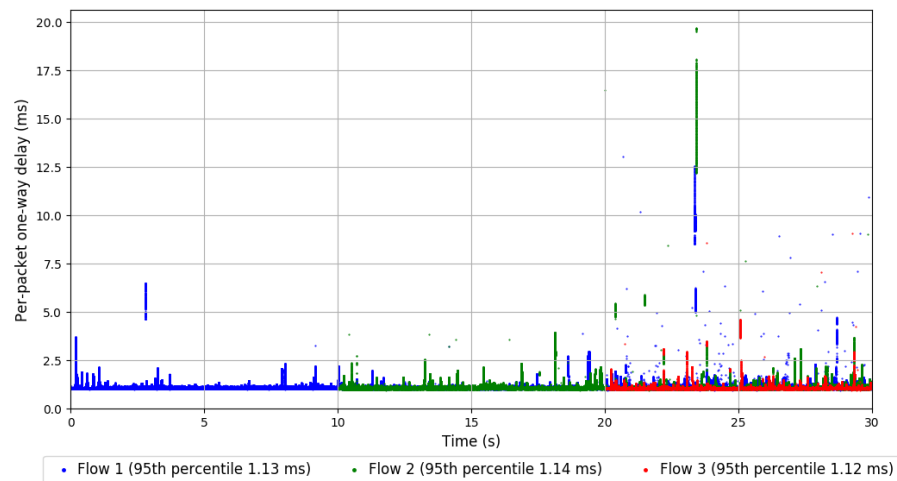
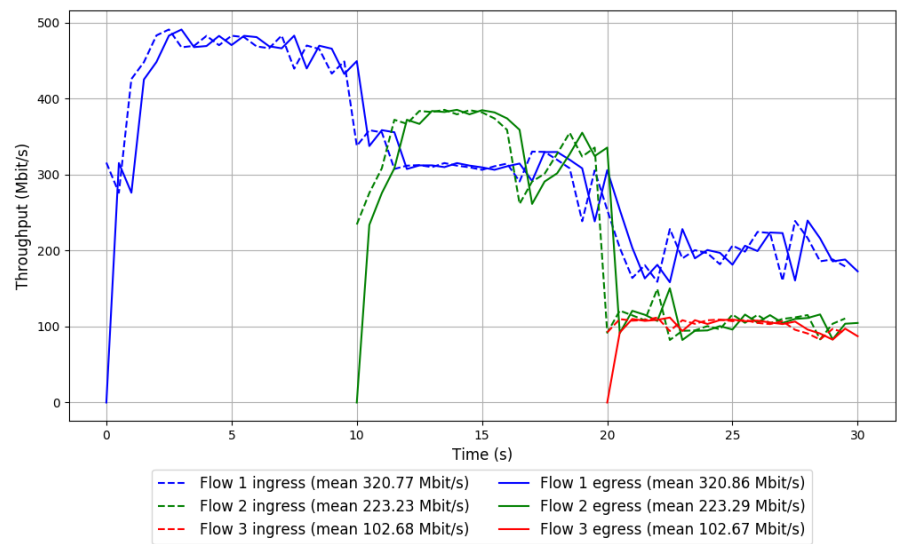


Run 2: Statistics of Copa

Start at: 2018-06-30 14:41:21
End at: 2018-06-30 14:41:51
Local clock offset: 3.192 ms
Remote clock offset: 2.836 ms

Below is generated by plot.py at 2018-06-30 19:11:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 503.50 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 320.86 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 223.29 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 102.67 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.22%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-30 15:08:00

End at: 2018-06-30 15:08:30

Local clock offset: -0.2 ms

Remote clock offset: 3.041 ms

Below is generated by plot.py at 2018-06-30 19:11:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 503.18 Mbit/s

95th percentile per-packet one-way delay: 1.146 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 297.00 Mbit/s

95th percentile per-packet one-way delay: 1.135 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 233.53 Mbit/s

95th percentile per-packet one-way delay: 1.146 ms

Loss rate: 0.03%

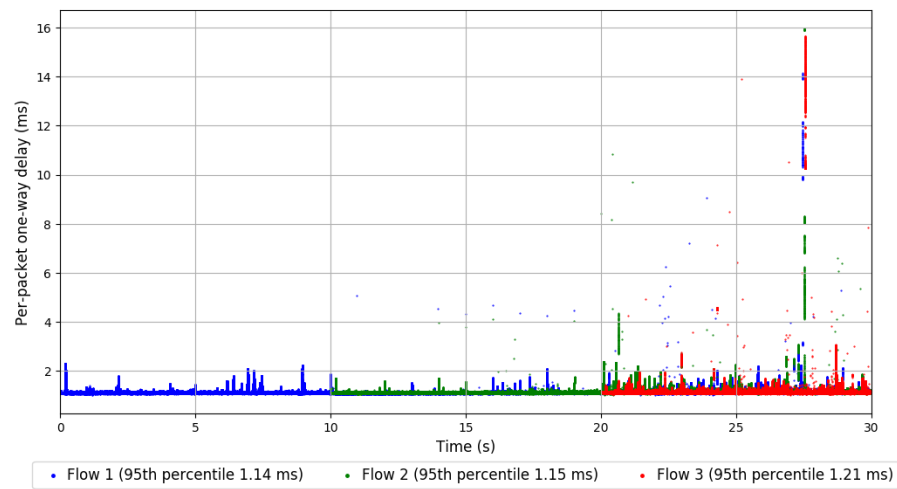
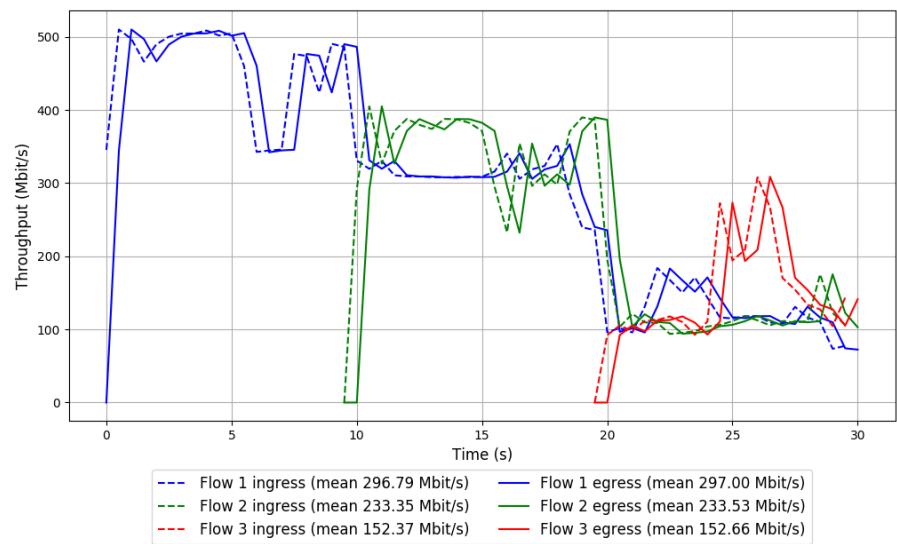
-- Flow 3:

Average throughput: 152.66 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.07%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-30 15:34:34

End at: 2018-06-30 15:35:04

Local clock offset: 3.267 ms

Remote clock offset: 1.611 ms

Below is generated by plot.py at 2018-06-30 19:11:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 500.51 Mbit/s

95th percentile per-packet one-way delay: 0.863 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 317.21 Mbit/s

95th percentile per-packet one-way delay: 0.898 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 219.52 Mbit/s

95th percentile per-packet one-way delay: 0.783 ms

Loss rate: 0.01%

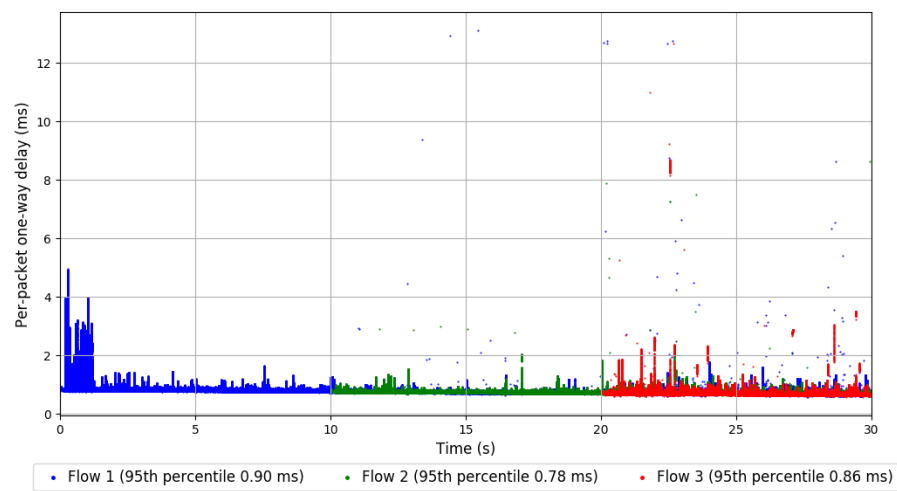
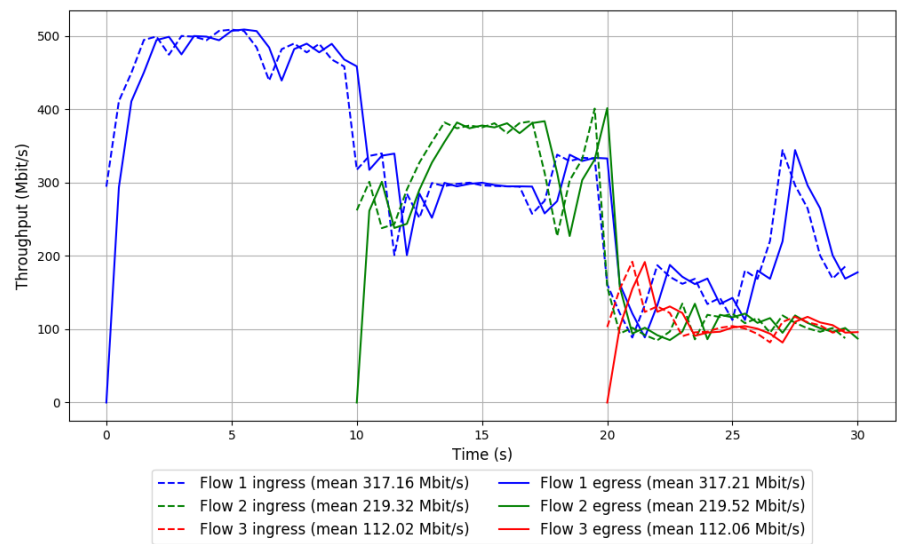
-- Flow 3:

Average throughput: 112.06 Mbit/s

95th percentile per-packet one-way delay: 0.860 ms

Loss rate: 0.15%

Run 4: Report of Copa — Data Link

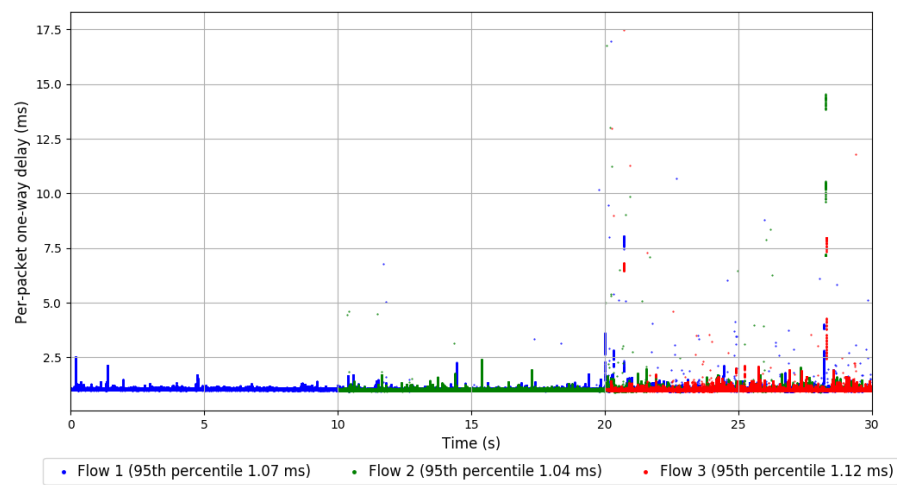
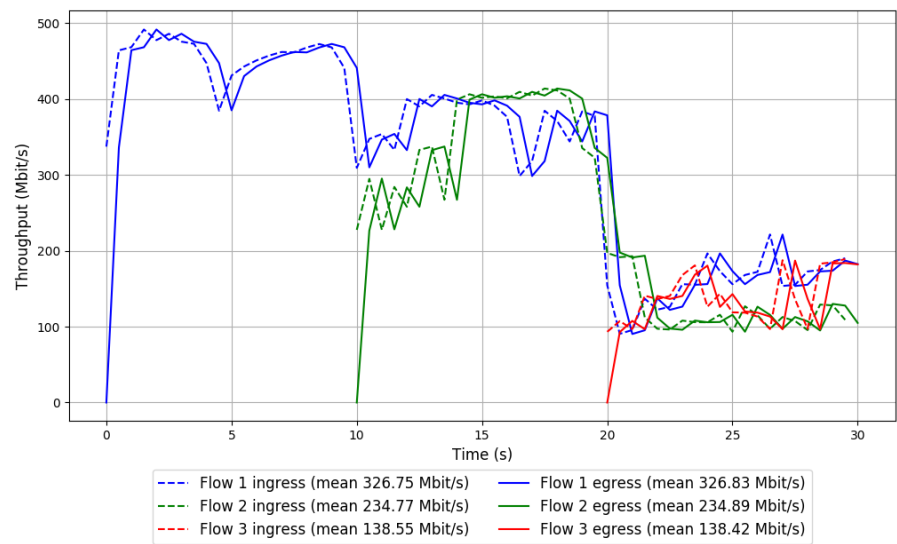


Run 5: Statistics of Copa

Start at: 2018-06-30 16:01:05
End at: 2018-06-30 16:01:35
Local clock offset: 3.324 ms
Remote clock offset: -0.873 ms

```
# Below is generated by plot.py at 2018-06-30 19:12:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 529.15 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 326.83 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 234.89 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 138.42 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.29%
```

Run 5: Report of Copa — Data Link

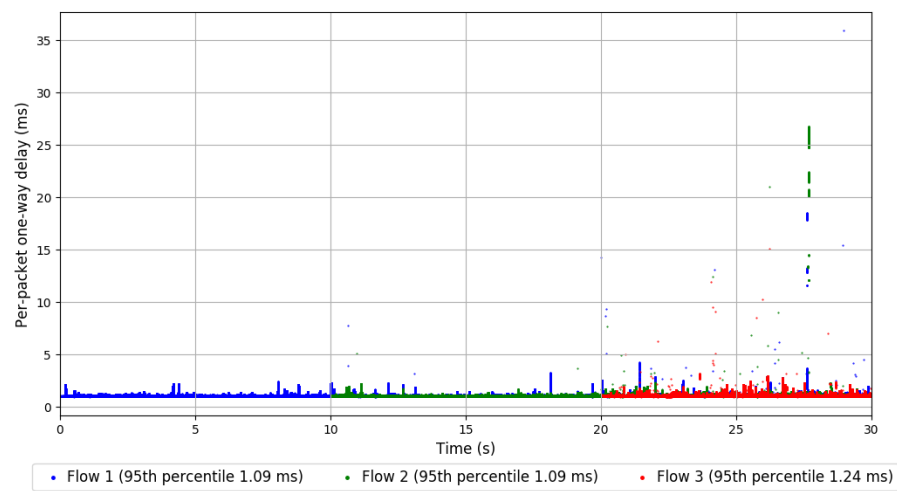
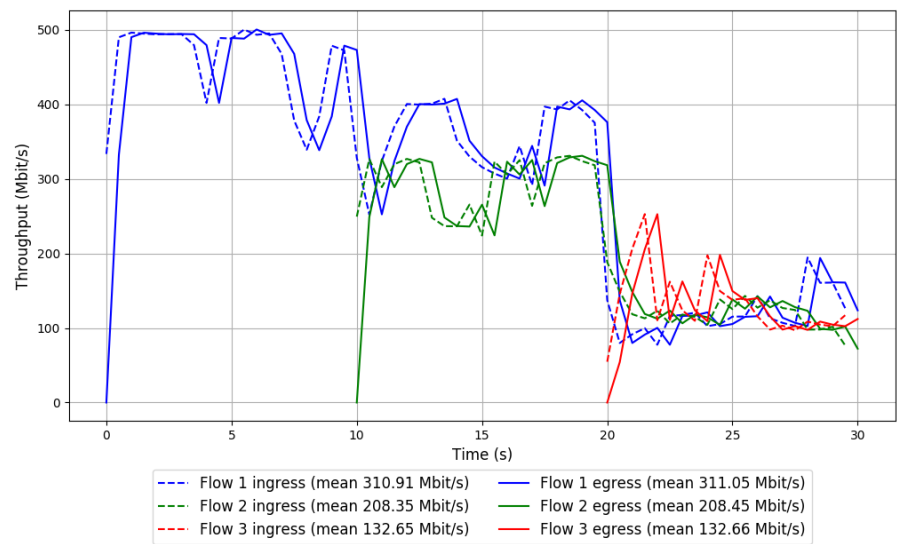


Run 6: Statistics of Copa

Start at: 2018-06-30 16:27:33
End at: 2018-06-30 16:28:03
Local clock offset: 0.634 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-06-30 19:12:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 493.71 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 311.05 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 208.45 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 132.66 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.19%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-30 16:54:06

End at: 2018-06-30 16:54:36

Local clock offset: 1.833 ms

Remote clock offset: 3.079 ms

Below is generated by plot.py at 2018-06-30 19:21:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 489.54 Mbit/s

95th percentile per-packet one-way delay: 0.957 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 295.22 Mbit/s

95th percentile per-packet one-way delay: 0.959 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 242.08 Mbit/s

95th percentile per-packet one-way delay: 0.931 ms

Loss rate: 0.09%

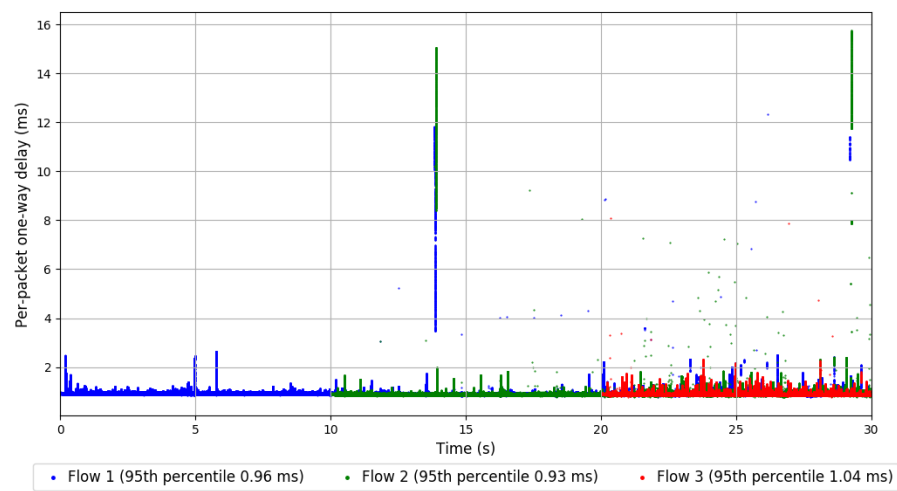
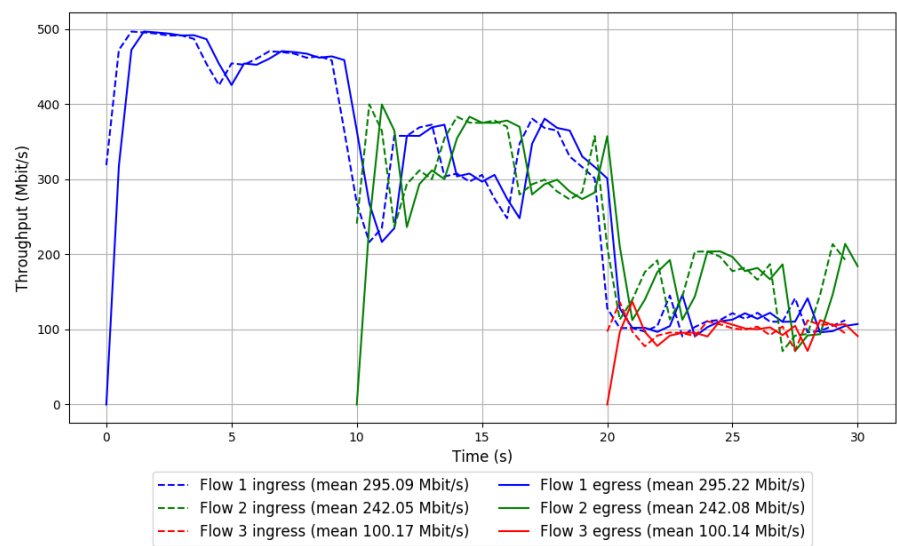
-- Flow 3:

Average throughput: 100.14 Mbit/s

95th percentile per-packet one-way delay: 1.043 ms

Loss rate: 0.21%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-30 17:20:47

End at: 2018-06-30 17:21:17

Local clock offset: 1.949 ms

Remote clock offset: 3.461 ms

Below is generated by plot.py at 2018-06-30 19:21:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.08 Mbit/s

95th percentile per-packet one-way delay: 1.306 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 314.99 Mbit/s

95th percentile per-packet one-way delay: 1.290 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 211.75 Mbit/s

95th percentile per-packet one-way delay: 1.357 ms

Loss rate: 0.03%

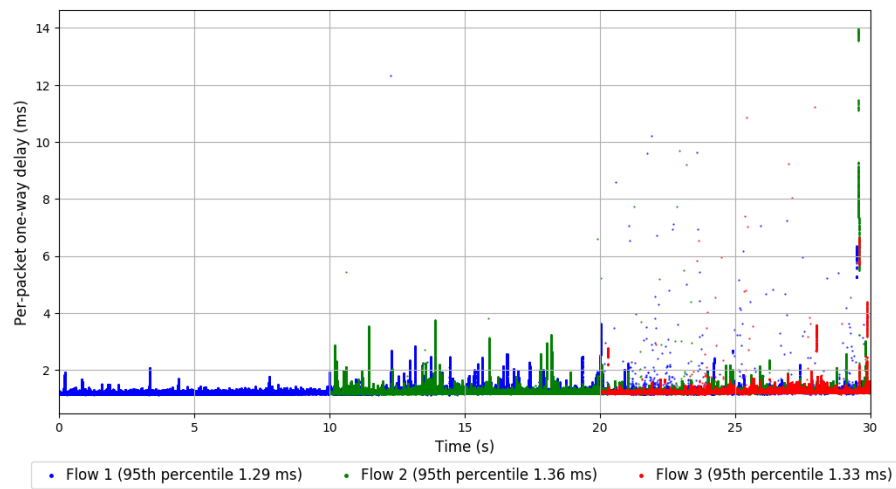
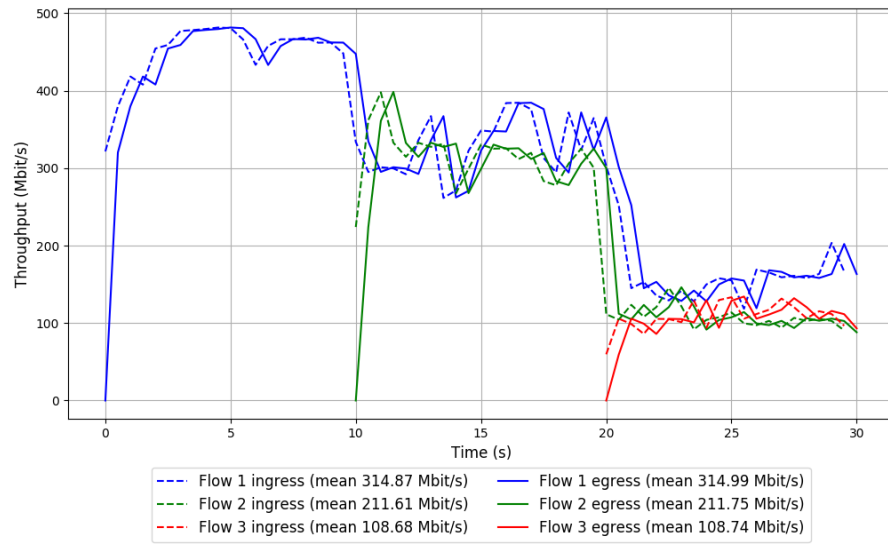
-- Flow 3:

Average throughput: 108.74 Mbit/s

95th percentile per-packet one-way delay: 1.326 ms

Loss rate: 0.19%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-30 17:47:25

End at: 2018-06-30 17:47:55

Local clock offset: 0.777 ms

Remote clock offset: 2.665 ms

Below is generated by plot.py at 2018-06-30 19:21:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 491.76 Mbit/s

95th percentile per-packet one-way delay: 0.826 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 306.32 Mbit/s

95th percentile per-packet one-way delay: 0.836 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 226.43 Mbit/s

95th percentile per-packet one-way delay: 0.712 ms

Loss rate: 0.06%

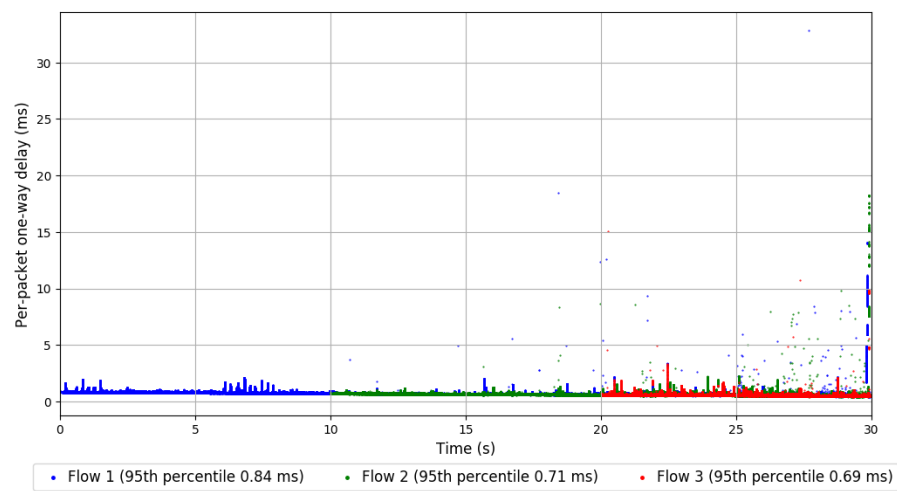
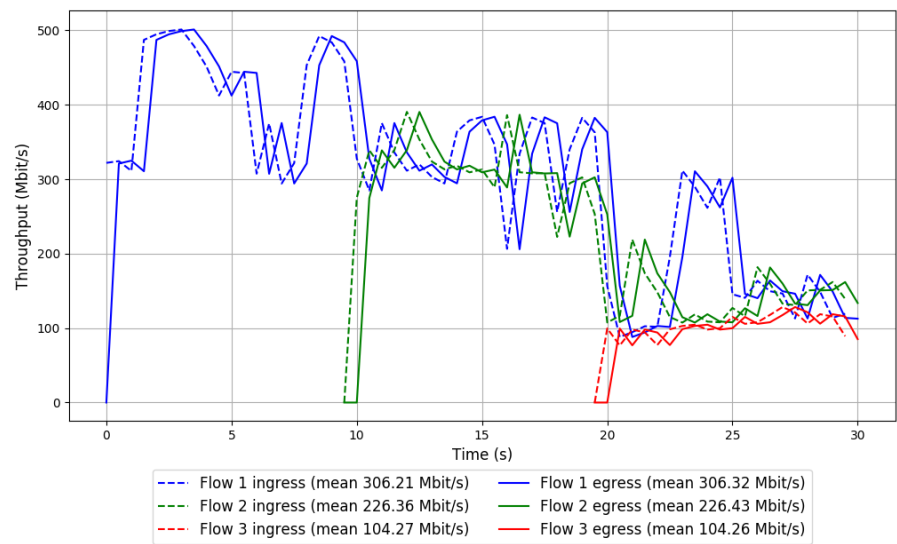
-- Flow 3:

Average throughput: 104.26 Mbit/s

95th percentile per-packet one-way delay: 0.688 ms

Loss rate: 0.20%

Run 9: Report of Copa — Data Link

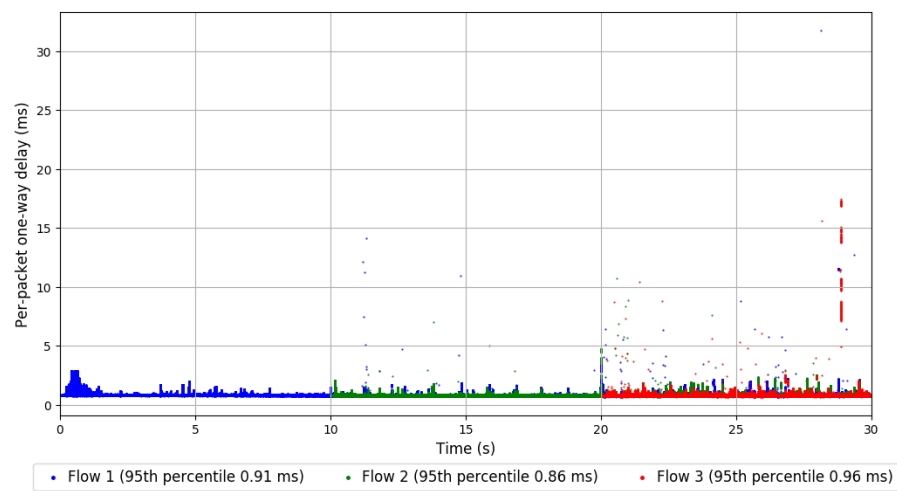
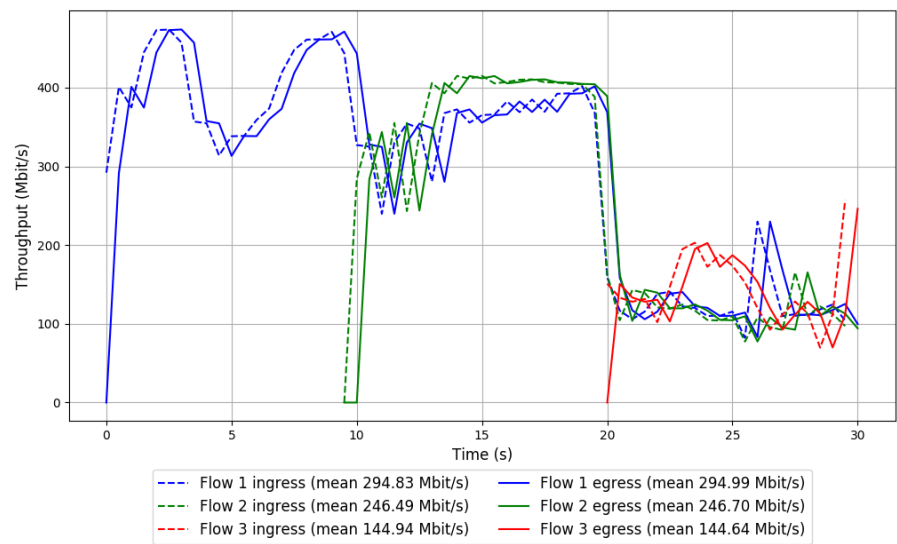


Run 10: Statistics of Copa

Start at: 2018-06-30 18:13:47
End at: 2018-06-30 18:14:17
Local clock offset: 3.98 ms
Remote clock offset: -0.878 ms

Below is generated by plot.py at 2018-06-30 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.26 Mbit/s
95th percentile per-packet one-way delay: 0.899 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 294.99 Mbit/s
95th percentile per-packet one-way delay: 0.905 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 246.70 Mbit/s
95th percentile per-packet one-way delay: 0.864 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 144.64 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.40%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-30 14:28:59

End at: 2018-06-30 14:29:29

Local clock offset: 3.23 ms

Remote clock offset: 2.807 ms

Below is generated by plot.py at 2018-06-30 19:21:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 806.55 Mbit/s

95th percentile per-packet one-way delay: 4.389 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 446.24 Mbit/s

95th percentile per-packet one-way delay: 4.371 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 382.15 Mbit/s

95th percentile per-packet one-way delay: 4.390 ms

Loss rate: 0.09%

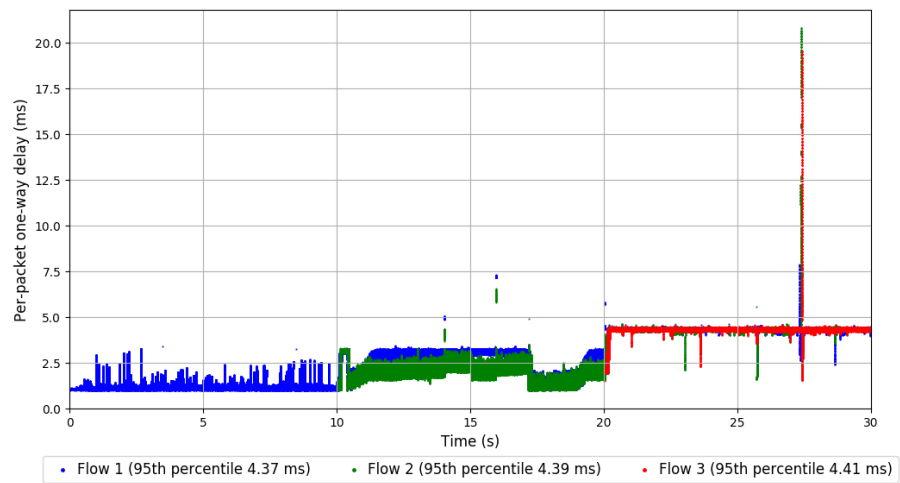
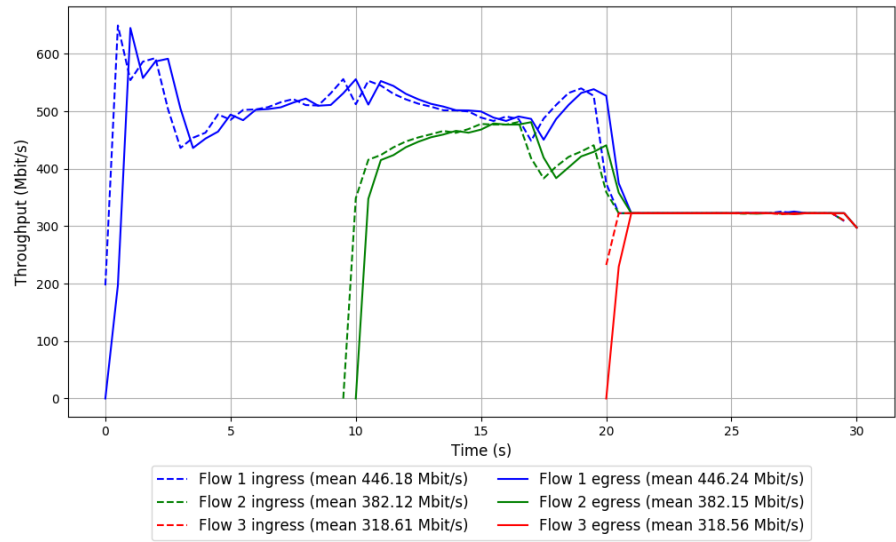
-- Flow 3:

Average throughput: 318.56 Mbit/s

95th percentile per-packet one-way delay: 4.410 ms

Loss rate: 0.24%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-30 14:55:37

End at: 2018-06-30 14:56:07

Local clock offset: 0.849 ms

Remote clock offset: 3.039 ms

Below is generated by plot.py at 2018-06-30 19:21:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 799.53 Mbit/s

95th percentile per-packet one-way delay: 4.509 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 426.27 Mbit/s

95th percentile per-packet one-way delay: 4.495 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 401.45 Mbit/s

95th percentile per-packet one-way delay: 4.506 ms

Loss rate: 0.09%

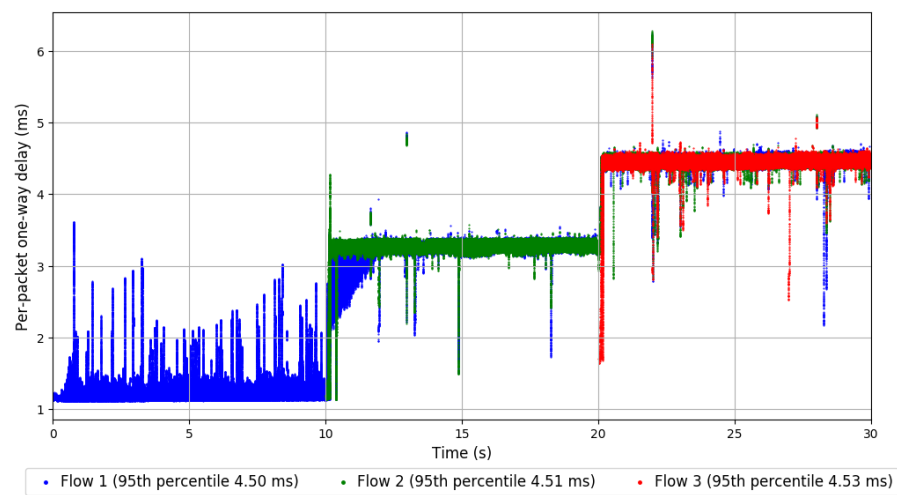
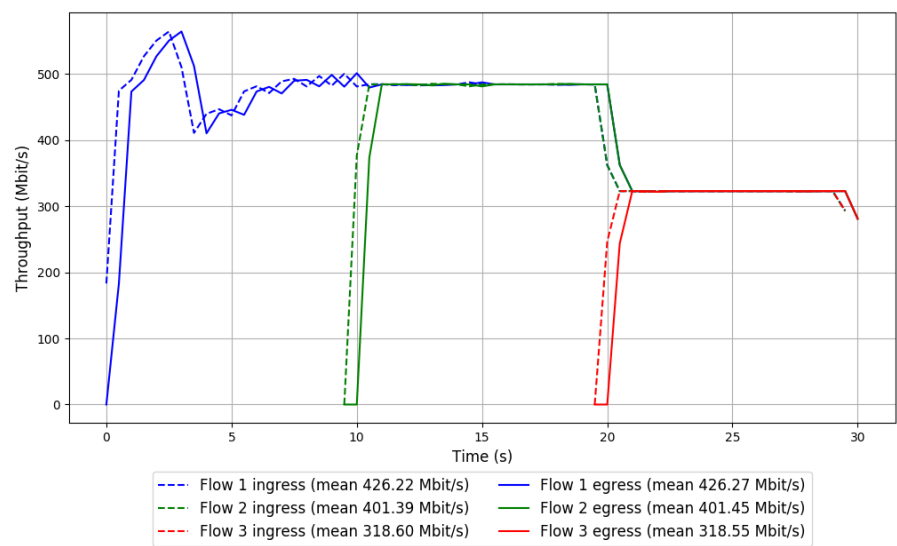
-- Flow 3:

Average throughput: 318.55 Mbit/s

95th percentile per-packet one-way delay: 4.533 ms

Loss rate: 0.24%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-30 15:22:16

End at: 2018-06-30 15:22:46

Local clock offset: 1.715 ms

Remote clock offset: 3.284 ms

Below is generated by plot.py at 2018-06-30 19:21:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 795.24 Mbit/s

95th percentile per-packet one-way delay: 4.152 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 422.22 Mbit/s

95th percentile per-packet one-way delay: 4.144 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 401.32 Mbit/s

95th percentile per-packet one-way delay: 4.153 ms

Loss rate: 0.09%

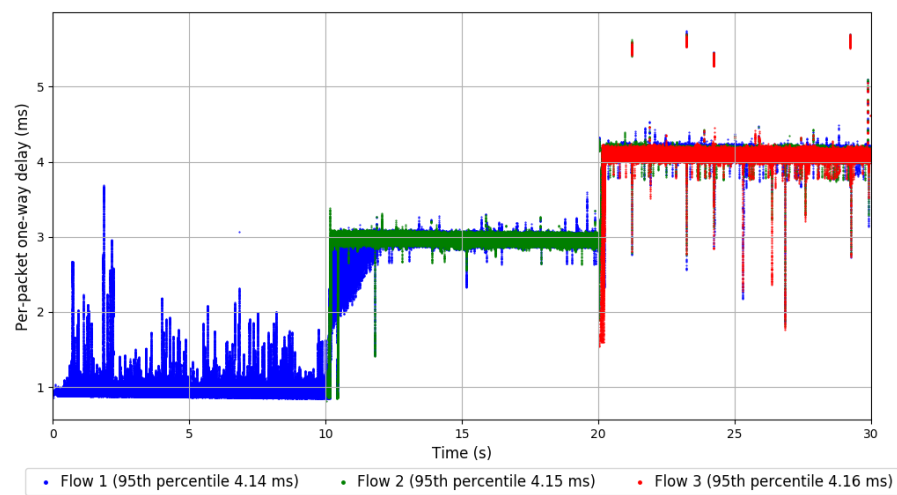
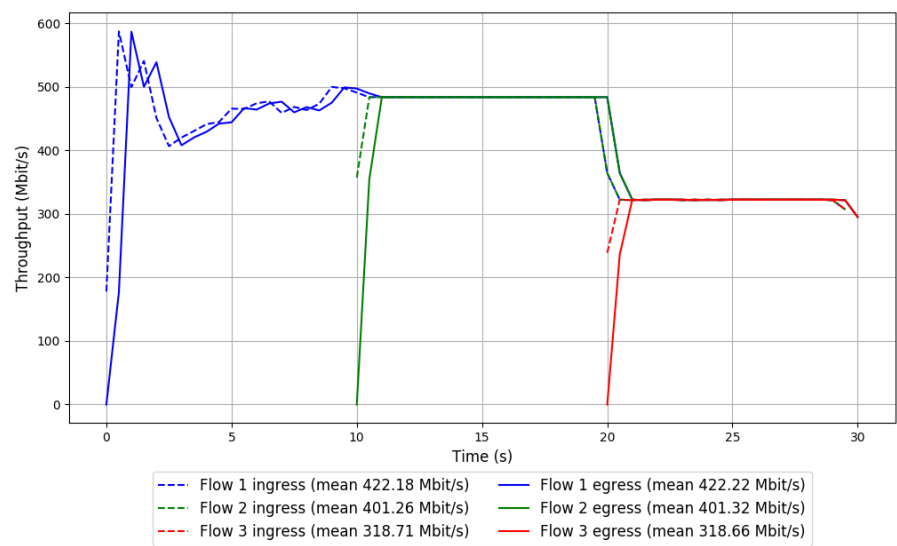
-- Flow 3:

Average throughput: 318.66 Mbit/s

95th percentile per-packet one-way delay: 4.162 ms

Loss rate: 0.23%

Run 3: Report of TCP Cubic — Data Link

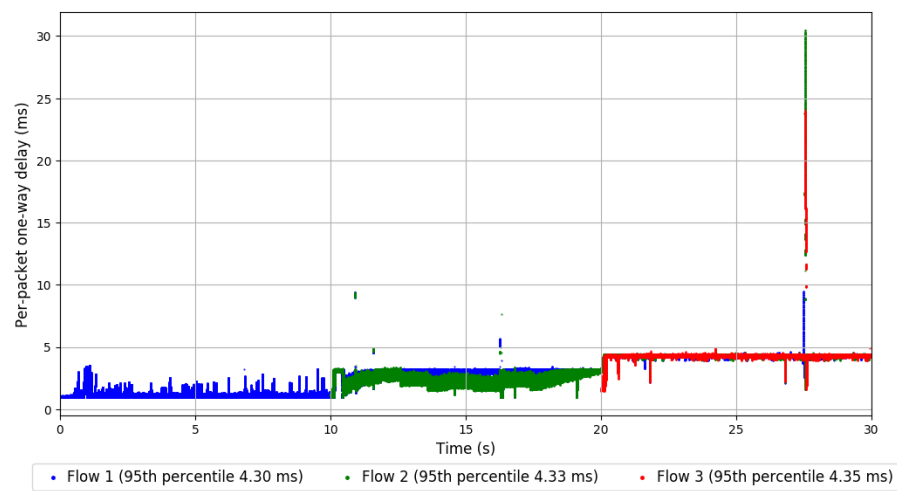
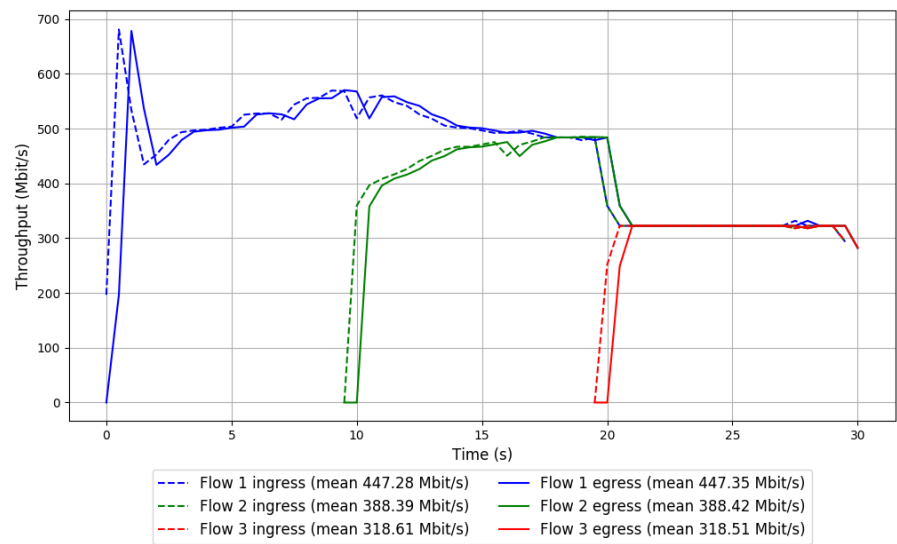


Run 4: Statistics of TCP Cubic

Start at: 2018-06-30 15:48:49
End at: 2018-06-30 15:49:19
Local clock offset: 3.563 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2018-06-30 19:21:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 812.06 Mbit/s
95th percentile per-packet one-way delay: 4.326 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 447.35 Mbit/s
95th percentile per-packet one-way delay: 4.302 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 388.42 Mbit/s
95th percentile per-packet one-way delay: 4.331 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.51 Mbit/s
95th percentile per-packet one-way delay: 4.354 ms
Loss rate: 0.23%

Run 4: Report of TCP Cubic — Data Link

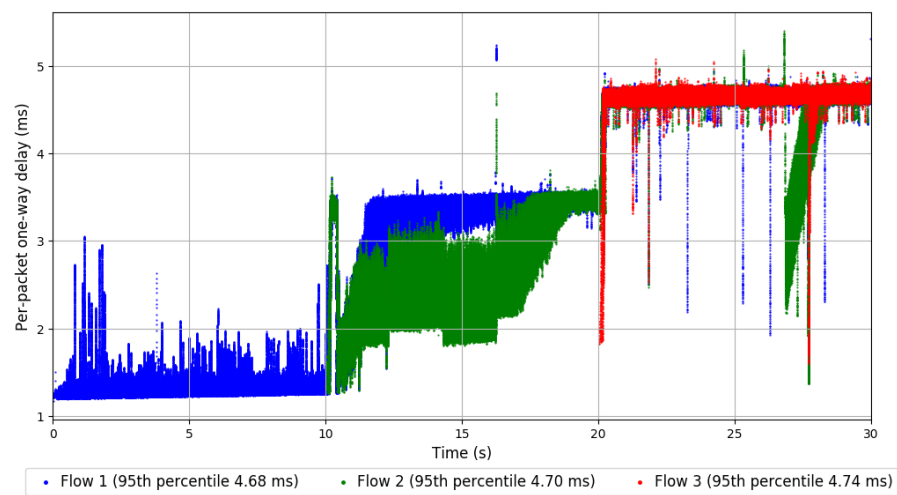
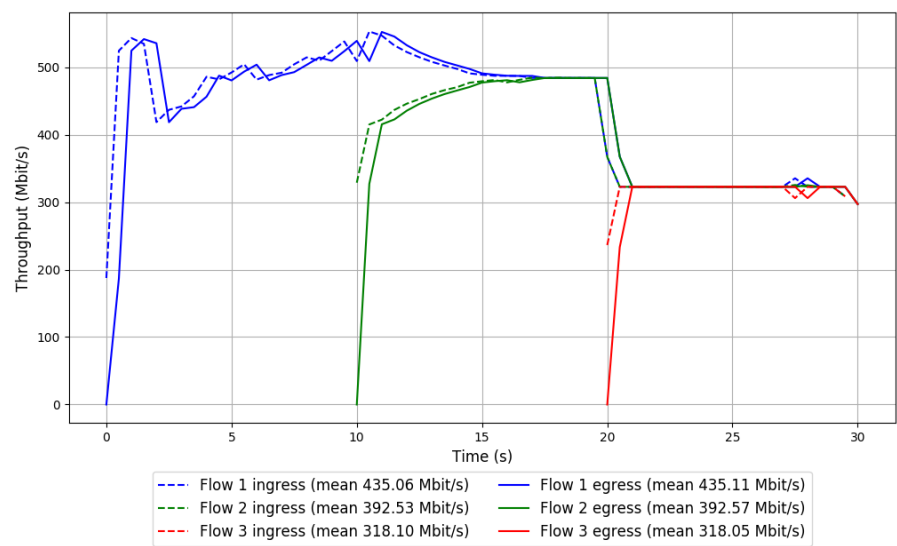


Run 5: Statistics of TCP Cubic

Start at: 2018-06-30 16:15:16
End at: 2018-06-30 16:15:46
Local clock offset: 3.332 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-06-30 19:28:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 802.12 Mbit/s
95th percentile per-packet one-way delay: 4.702 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 435.11 Mbit/s
95th percentile per-packet one-way delay: 4.678 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 392.57 Mbit/s
95th percentile per-packet one-way delay: 4.699 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.05 Mbit/s
95th percentile per-packet one-way delay: 4.736 ms
Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-30 16:41:45

End at: 2018-06-30 16:42:15

Local clock offset: -0.378 ms

Remote clock offset: 1.265 ms

Below is generated by plot.py at 2018-06-30 19:28:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 811.88 Mbit/s

95th percentile per-packet one-way delay: 4.568 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 438.28 Mbit/s

95th percentile per-packet one-way delay: 4.547 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 401.74 Mbit/s

95th percentile per-packet one-way delay: 4.566 ms

Loss rate: 0.09%

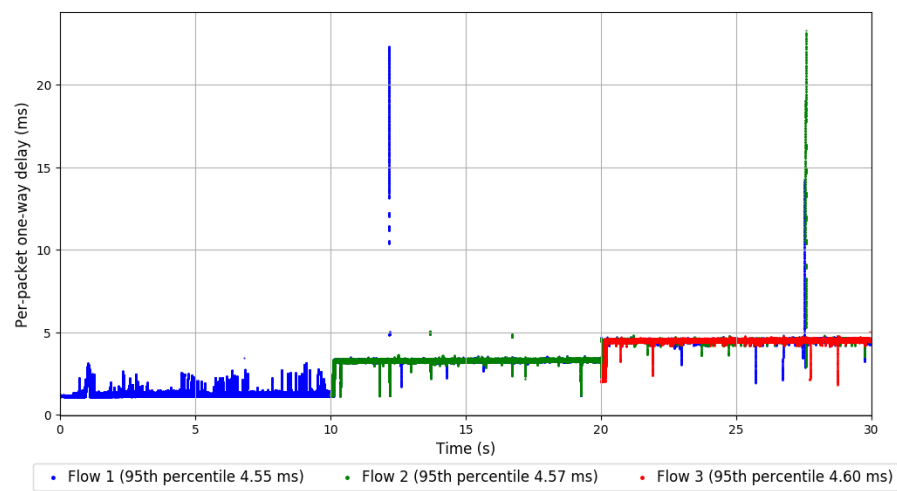
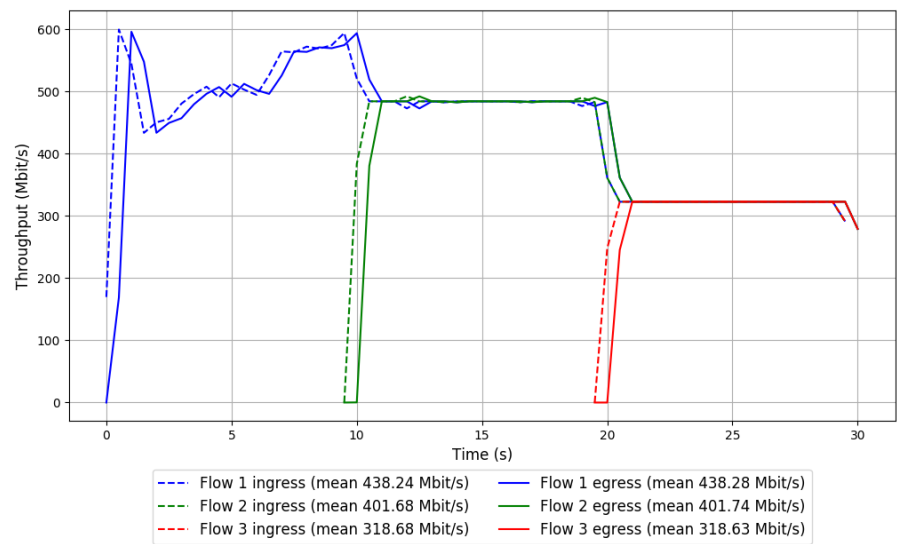
-- Flow 3:

Average throughput: 318.63 Mbit/s

95th percentile per-packet one-way delay: 4.598 ms

Loss rate: 0.24%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-30 17:08:24

End at: 2018-06-30 17:08:54

Local clock offset: 3.139 ms

Remote clock offset: 4.048 ms

Below is generated by plot.py at 2018-06-30 19:29:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 866.75 Mbit/s

95th percentile per-packet one-way delay: 4.270 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 498.35 Mbit/s

95th percentile per-packet one-way delay: 4.284 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 394.39 Mbit/s

95th percentile per-packet one-way delay: 4.256 ms

Loss rate: 0.09%

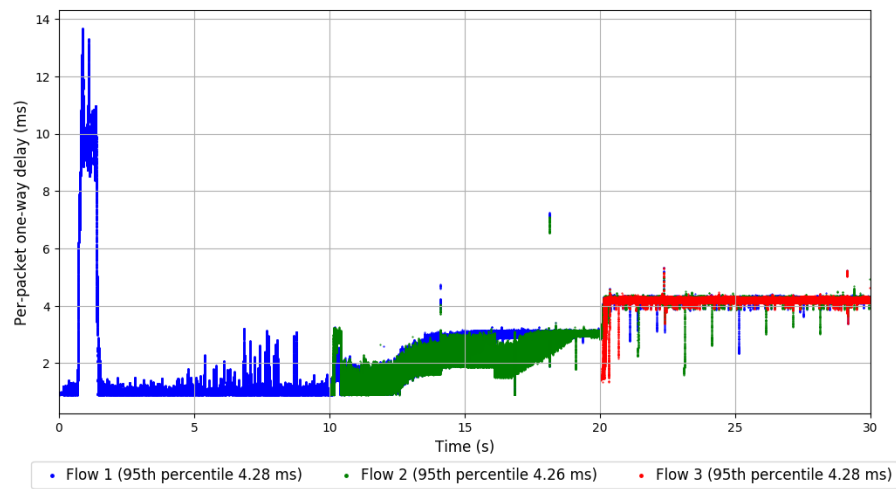
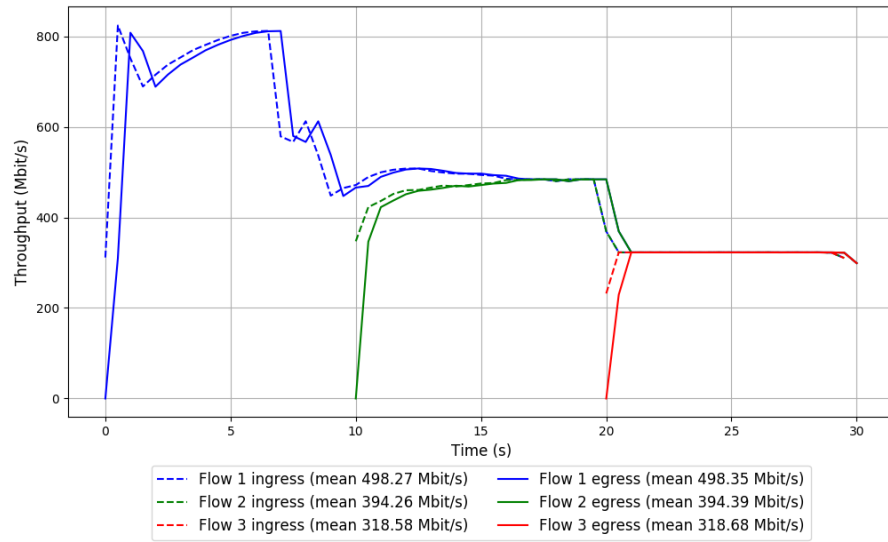
-- Flow 3:

Average throughput: 318.68 Mbit/s

95th percentile per-packet one-way delay: 4.275 ms

Loss rate: 0.22%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 17:35:01

End at: 2018-06-30 17:35:31

Local clock offset: 0.371 ms

Remote clock offset: 3.418 ms

Below is generated by plot.py at 2018-06-30 19:29:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 808.77 Mbit/s

95th percentile per-packet one-way delay: 4.439 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 435.90 Mbit/s

95th percentile per-packet one-way delay: 4.426 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 400.97 Mbit/s

95th percentile per-packet one-way delay: 4.447 ms

Loss rate: 0.09%

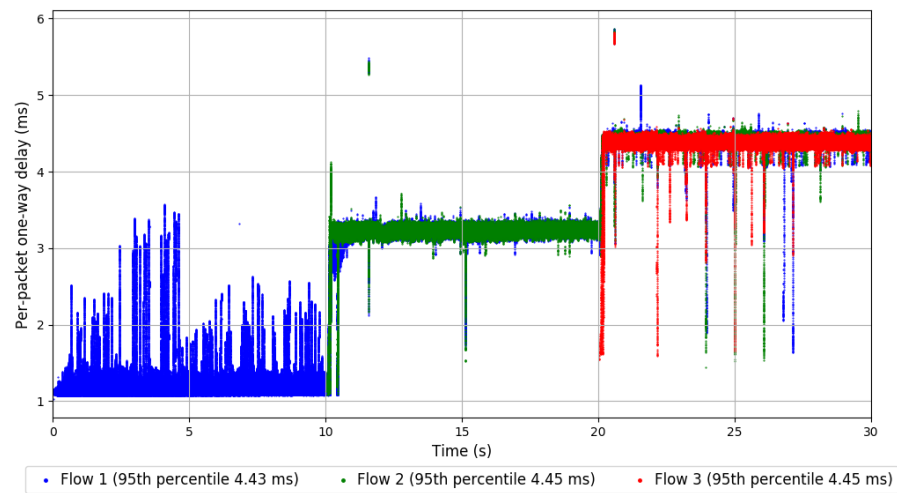
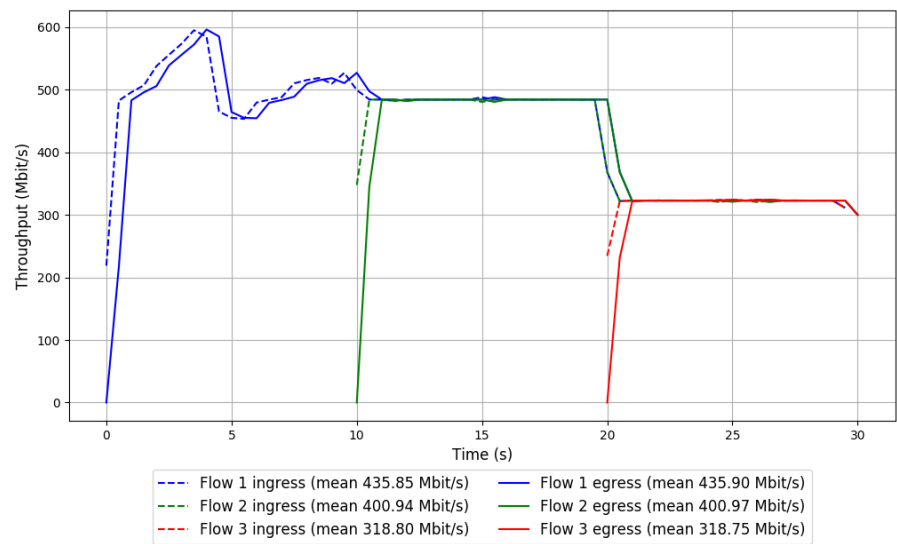
-- Flow 3:

Average throughput: 318.75 Mbit/s

95th percentile per-packet one-way delay: 4.452 ms

Loss rate: 0.22%

Run 8: Report of TCP Cubic — Data Link

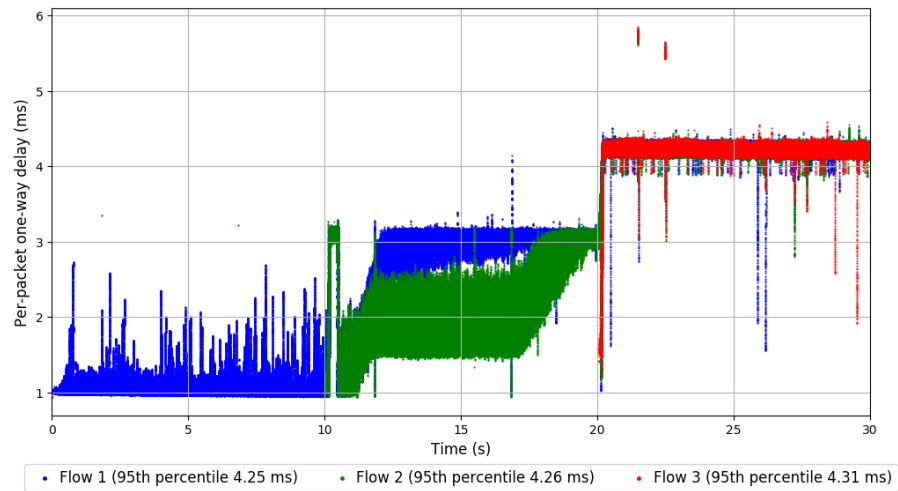
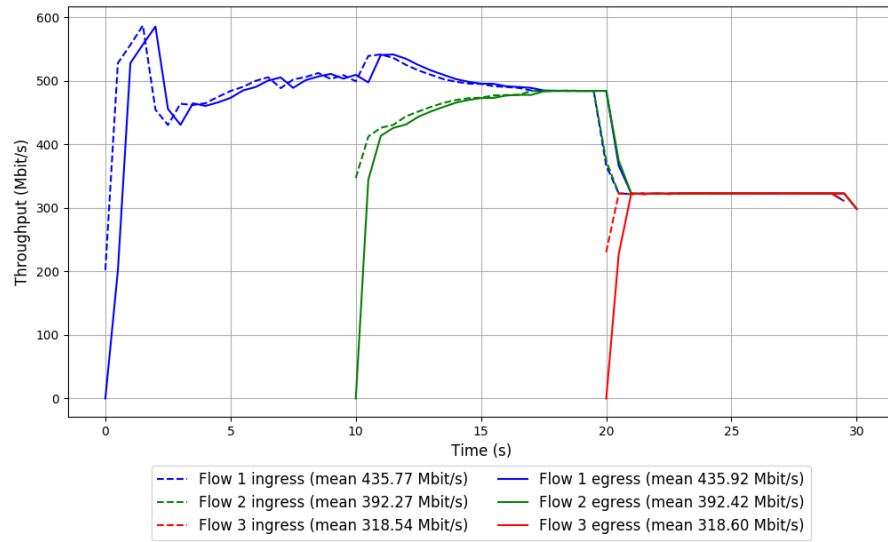


Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 18:01:29
End at: 2018-06-30 18:01:59
Local clock offset: 3.373 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-06-30 19:29:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 802.94 Mbit/s
95th percentile per-packet one-way delay: 4.271 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 435.92 Mbit/s
95th percentile per-packet one-way delay: 4.249 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 392.42 Mbit/s
95th percentile per-packet one-way delay: 4.261 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.60 Mbit/s
95th percentile per-packet one-way delay: 4.310 ms
Loss rate: 0.24%

Run 9: Report of TCP Cubic — Data Link

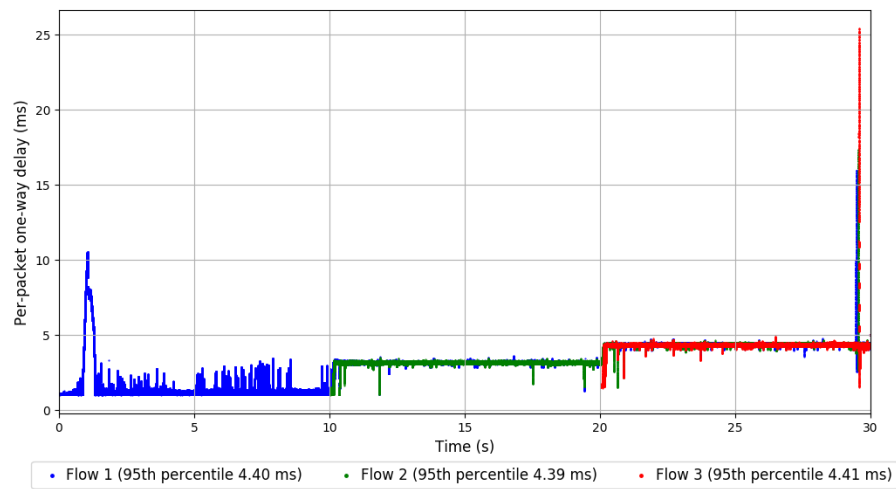
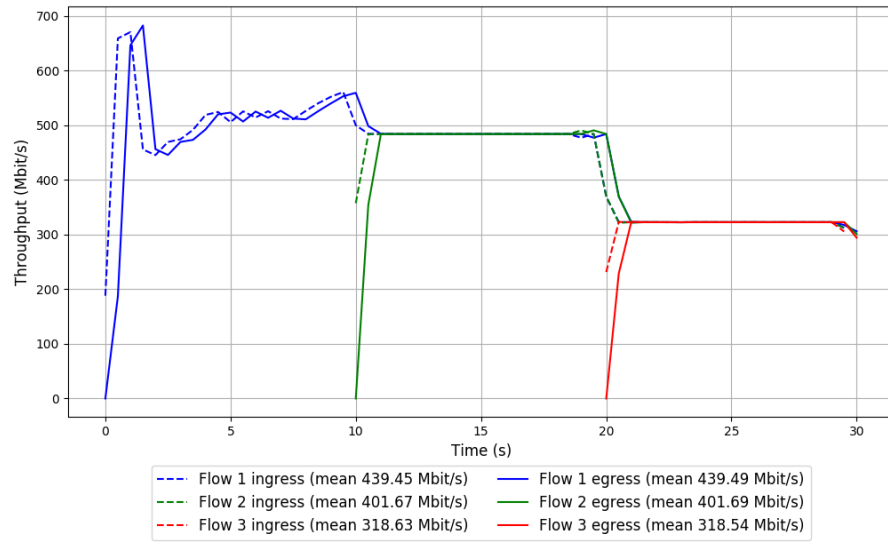


Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 18:28:04
End at: 2018-06-30 18:28:34
Local clock offset: 3.635 ms
Remote clock offset: -0.812 ms

Below is generated by plot.py at 2018-06-30 19:30:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 812.70 Mbit/s
95th percentile per-packet one-way delay: 4.399 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 439.49 Mbit/s
95th percentile per-packet one-way delay: 4.399 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 401.69 Mbit/s
95th percentile per-packet one-way delay: 4.393 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.54 Mbit/s
95th percentile per-packet one-way delay: 4.407 ms
Loss rate: 0.22%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-30 14:30:45

End at: 2018-06-30 14:31:15

Local clock offset: 3.212 ms

Remote clock offset: 2.784 ms

Below is generated by plot.py at 2018-06-30 19:33:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 867.39 Mbit/s

95th percentile per-packet one-way delay: 7.123 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 506.43 Mbit/s

95th percentile per-packet one-way delay: 3.521 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 392.18 Mbit/s

95th percentile per-packet one-way delay: 10.749 ms

Loss rate: 0.10%

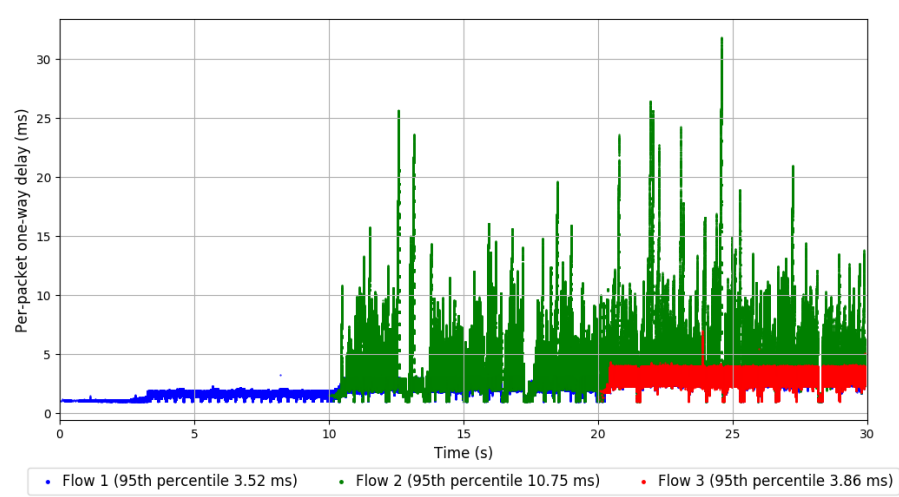
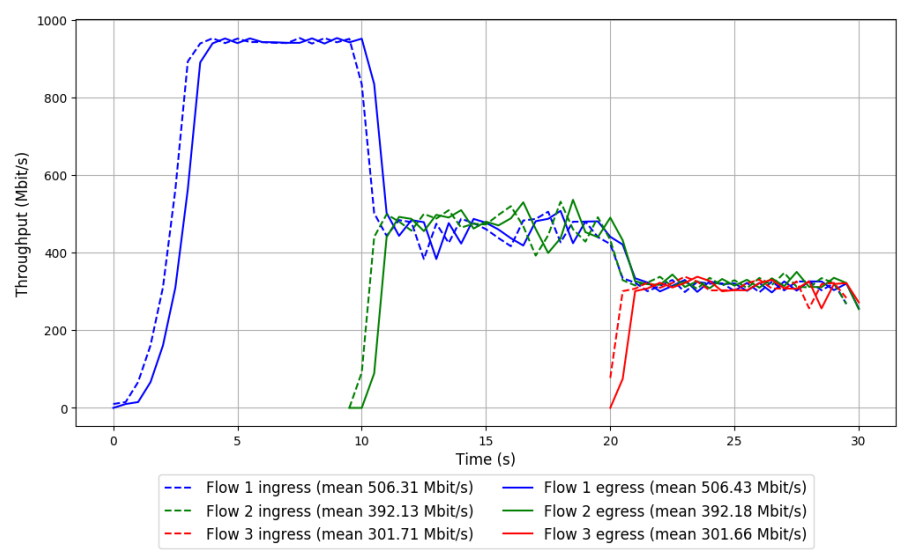
-- Flow 3:

Average throughput: 301.66 Mbit/s

95th percentile per-packet one-way delay: 3.858 ms

Loss rate: 0.23%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-30 14:57:22

End at: 2018-06-30 14:57:52

Local clock offset: 0.646 ms

Remote clock offset: 3.002 ms

Below is generated by plot.py at 2018-06-30 19:34:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 937.75 Mbit/s

95th percentile per-packet one-way delay: 3.935 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 576.41 Mbit/s

95th percentile per-packet one-way delay: 3.858 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 392.81 Mbit/s

95th percentile per-packet one-way delay: 3.915 ms

Loss rate: 0.08%

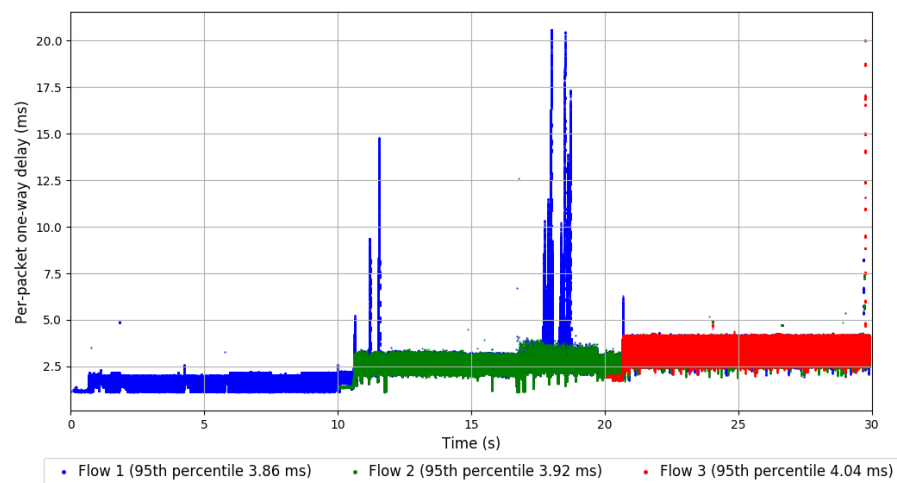
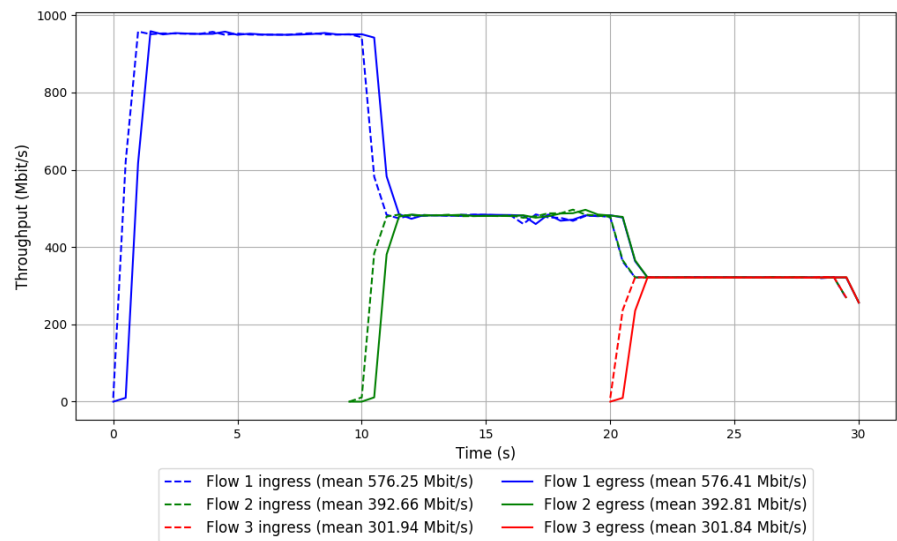
-- Flow 3:

Average throughput: 301.84 Mbit/s

95th percentile per-packet one-way delay: 4.036 ms

Loss rate: 0.24%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-06-30 15:24:00

End at: 2018-06-30 15:24:30

Local clock offset: 1.99 ms

Remote clock offset: 3.323 ms

Below is generated by plot.py at 2018-06-30 19:40:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 883.29 Mbit/s

95th percentile per-packet one-way delay: 5.657 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 522.28 Mbit/s

95th percentile per-packet one-way delay: 3.257 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 386.81 Mbit/s

95th percentile per-packet one-way delay: 10.822 ms

Loss rate: 0.12%

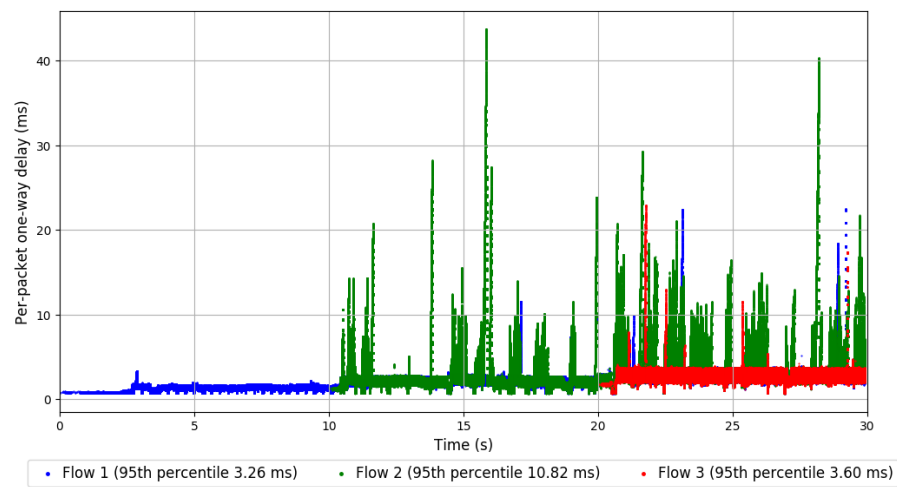
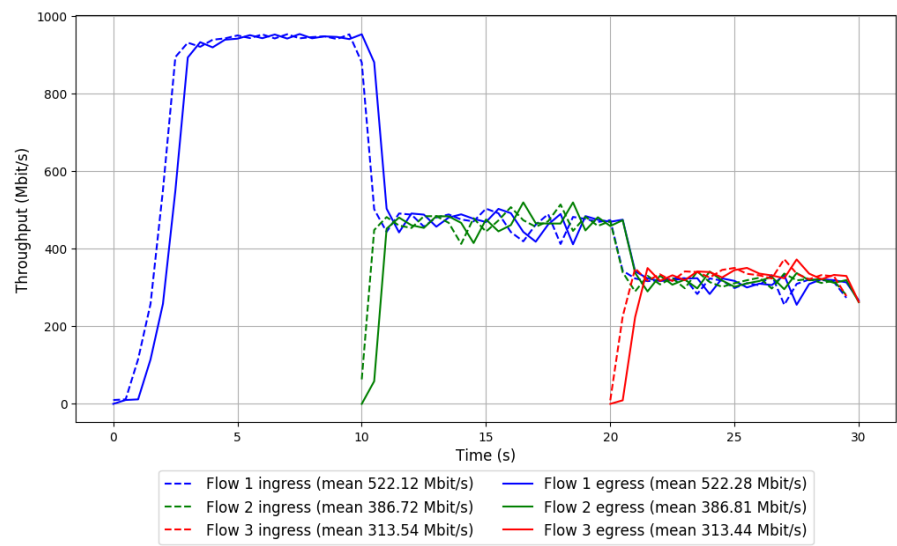
-- Flow 3:

Average throughput: 313.44 Mbit/s

95th percentile per-packet one-way delay: 3.596 ms

Loss rate: 0.25%

Run 3: Report of FillP — Data Link

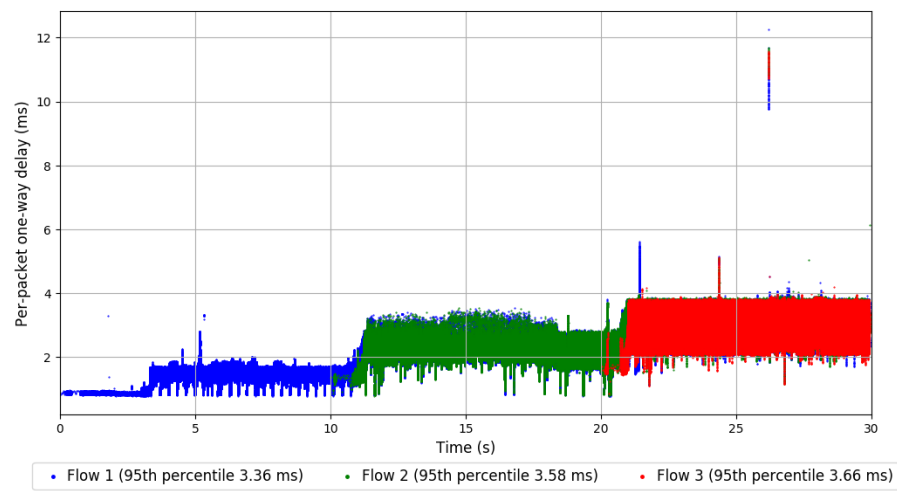
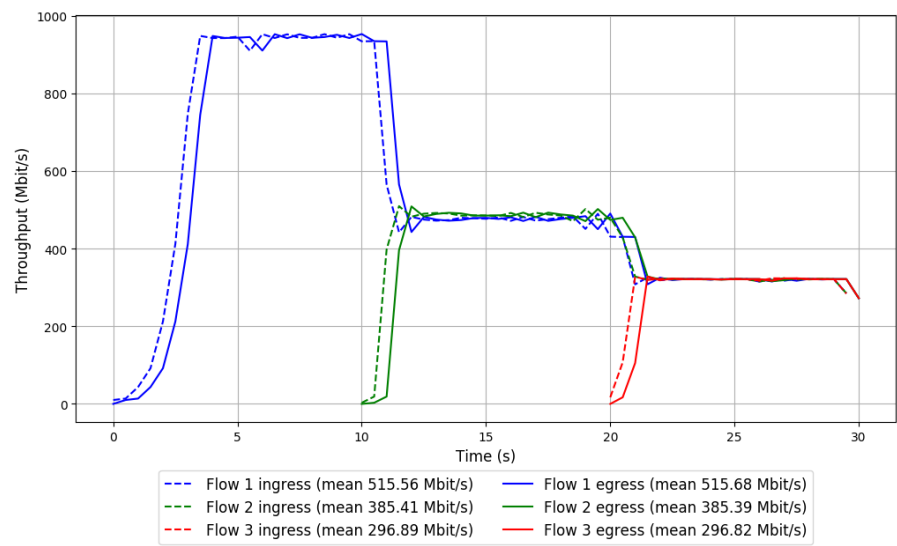


Run 4: Statistics of FillP

Start at: 2018-06-30 15:50:33
End at: 2018-06-30 15:51:03
Local clock offset: 3.471 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-06-30 19:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 870.00 Mbit/s
95th percentile per-packet one-way delay: 3.539 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 515.68 Mbit/s
95th percentile per-packet one-way delay: 3.357 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 385.39 Mbit/s
95th percentile per-packet one-way delay: 3.578 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 296.82 Mbit/s
95th percentile per-packet one-way delay: 3.664 ms
Loss rate: 0.23%

Run 4: Report of FillP — Data Link

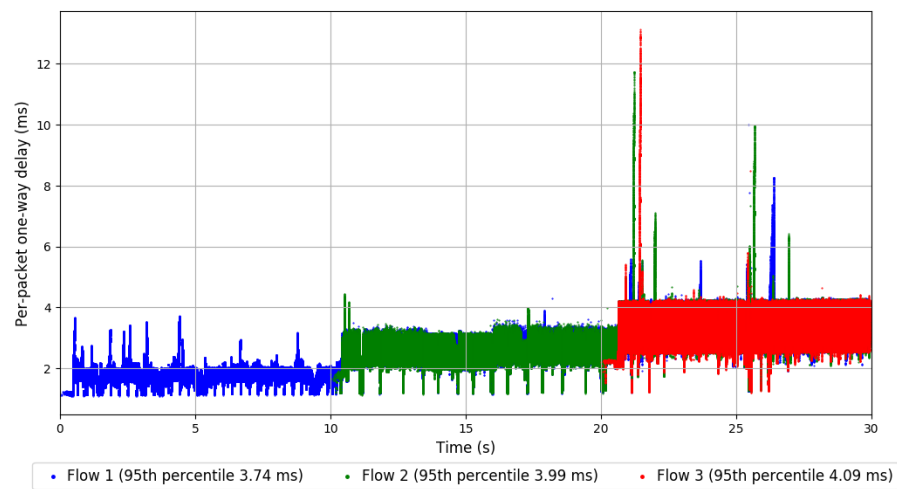
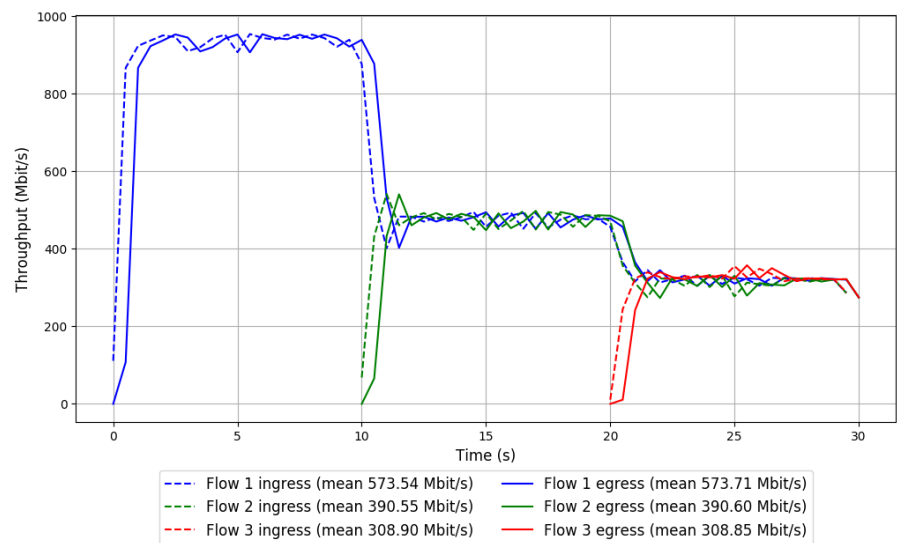


Run 5: Statistics of FillP

Start at: 2018-06-30 16:17:00
End at: 2018-06-30 16:17:30
Local clock offset: 2.709 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-06-30 19:41:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 935.92 Mbit/s
95th percentile per-packet one-way delay: 3.943 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 573.71 Mbit/s
95th percentile per-packet one-way delay: 3.736 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 390.60 Mbit/s
95th percentile per-packet one-way delay: 3.987 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 308.85 Mbit/s
95th percentile per-packet one-way delay: 4.092 ms
Loss rate: 0.24%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-30 16:43:30

End at: 2018-06-30 16:44:00

Local clock offset: -0.446 ms

Remote clock offset: 1.624 ms

Below is generated by plot.py at 2018-06-30 19:41:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 933.75 Mbit/s

95th percentile per-packet one-way delay: 3.931 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 573.42 Mbit/s

95th percentile per-packet one-way delay: 3.752 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 391.32 Mbit/s

95th percentile per-packet one-way delay: 3.945 ms

Loss rate: 0.09%

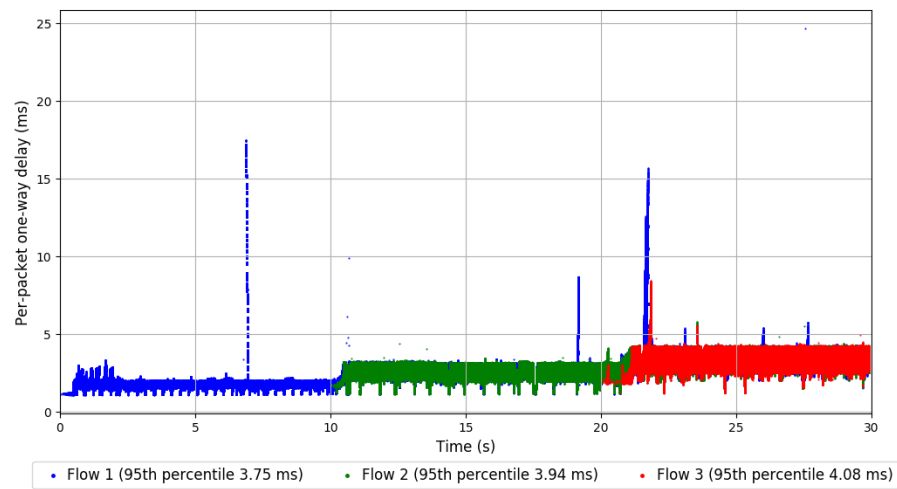
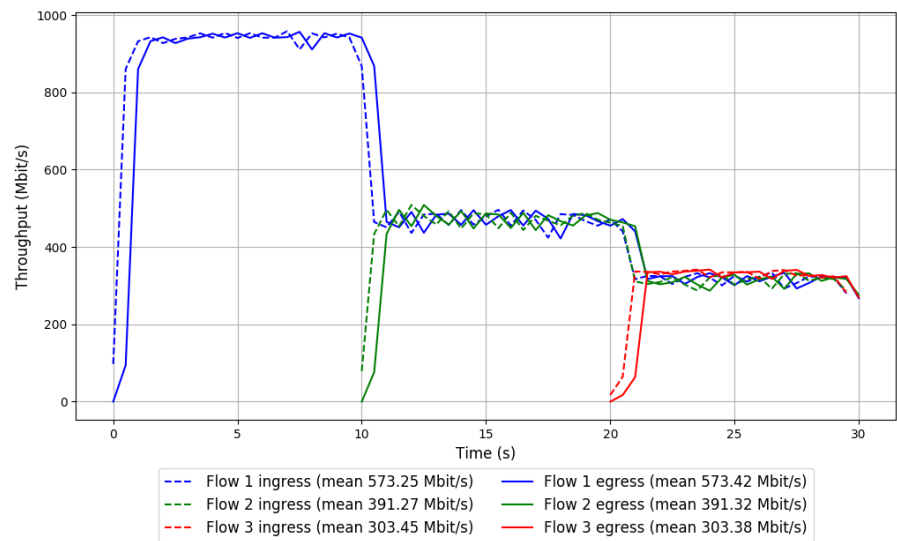
-- Flow 3:

Average throughput: 303.38 Mbit/s

95th percentile per-packet one-way delay: 4.084 ms

Loss rate: 0.24%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-30 17:10:10

End at: 2018-06-30 17:10:40

Local clock offset: 3.297 ms

Remote clock offset: 4.115 ms

Below is generated by plot.py at 2018-06-30 19:42:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 935.43 Mbit/s

95th percentile per-packet one-way delay: 3.944 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 570.86 Mbit/s

95th percentile per-packet one-way delay: 6.910 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 397.76 Mbit/s

95th percentile per-packet one-way delay: 3.748 ms

Loss rate: 0.08%

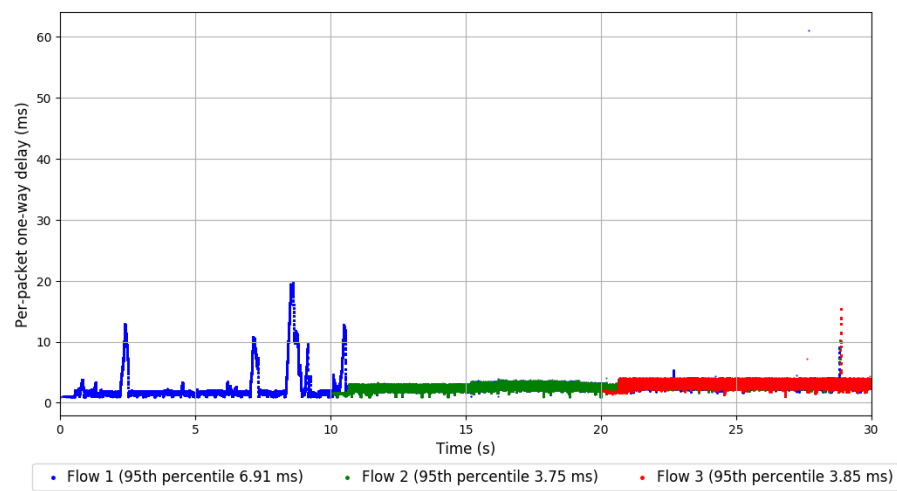
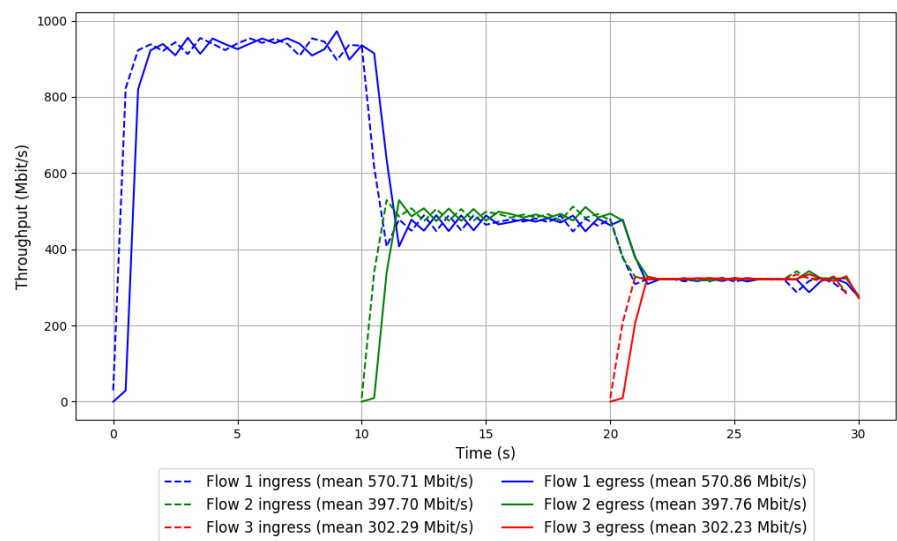
-- Flow 3:

Average throughput: 302.23 Mbit/s

95th percentile per-packet one-way delay: 3.854 ms

Loss rate: 0.21%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-30 17:36:45

End at: 2018-06-30 17:37:15

Local clock offset: 0.193 ms

Remote clock offset: 3.434 ms

Below is generated by plot.py at 2018-06-30 19:43:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 939.69 Mbit/s

95th percentile per-packet one-way delay: 3.875 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 578.95 Mbit/s

95th percentile per-packet one-way delay: 5.664 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 392.78 Mbit/s

95th percentile per-packet one-way delay: 3.734 ms

Loss rate: 0.08%

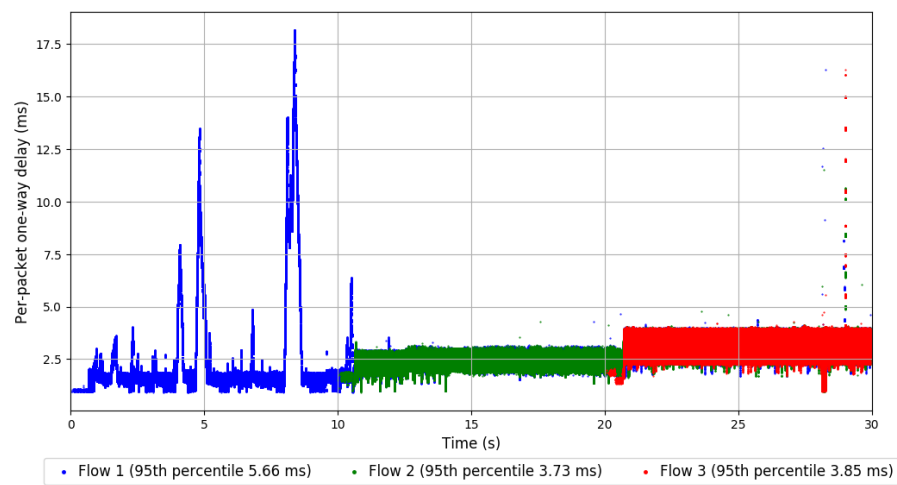
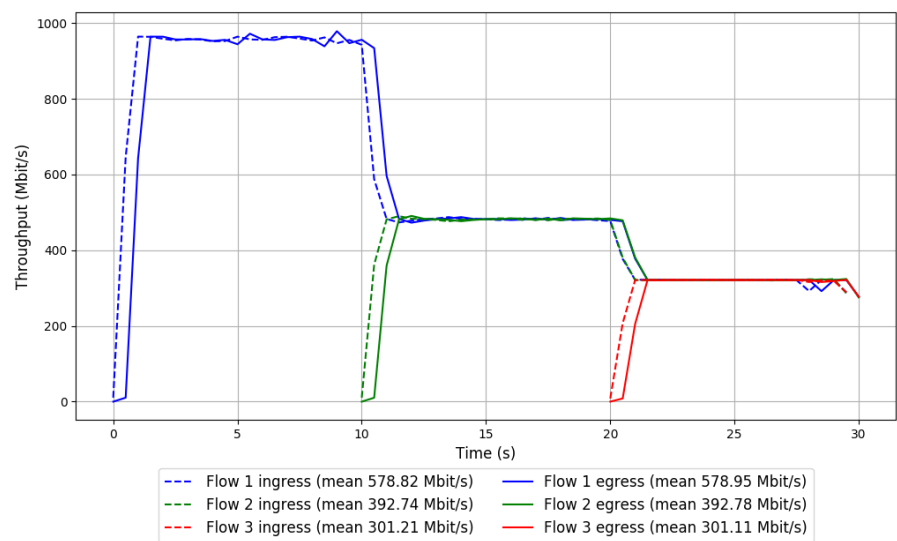
-- Flow 3:

Average throughput: 301.11 Mbit/s

95th percentile per-packet one-way delay: 3.847 ms

Loss rate: 0.22%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-30 18:03:14

End at: 2018-06-30 18:03:44

Local clock offset: 3.477 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-06-30 19:46:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 915.05 Mbit/s

95th percentile per-packet one-way delay: 3.603 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 555.35 Mbit/s

95th percentile per-packet one-way delay: 3.541 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 391.45 Mbit/s

95th percentile per-packet one-way delay: 3.603 ms

Loss rate: 0.09%

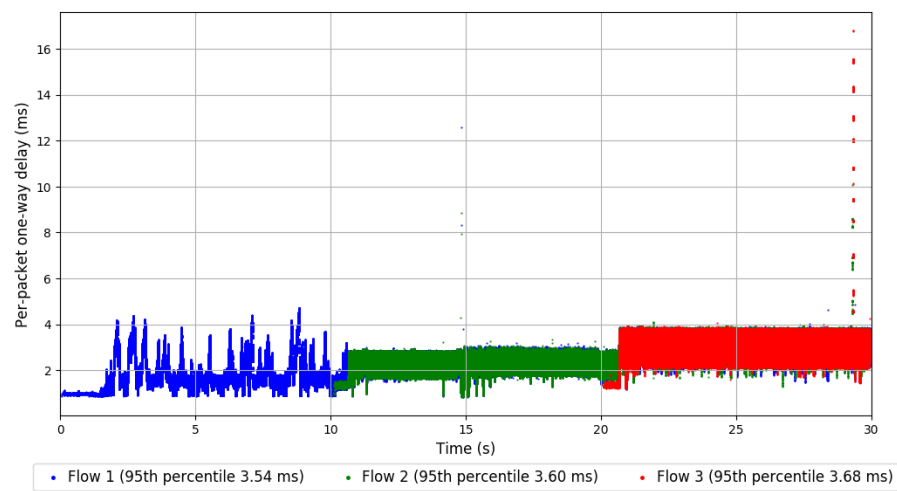
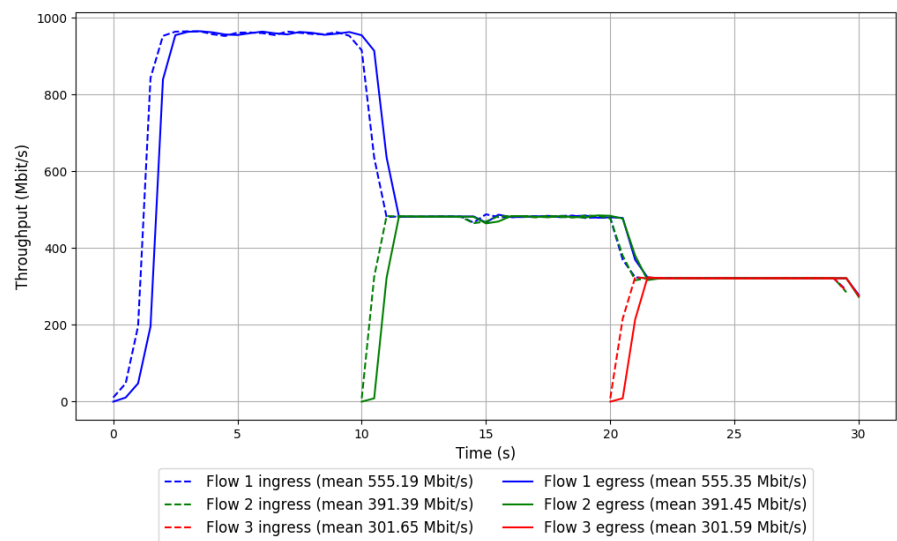
-- Flow 3:

Average throughput: 301.59 Mbit/s

95th percentile per-packet one-way delay: 3.684 ms

Loss rate: 0.23%

Run 9: Report of FillP — Data Link

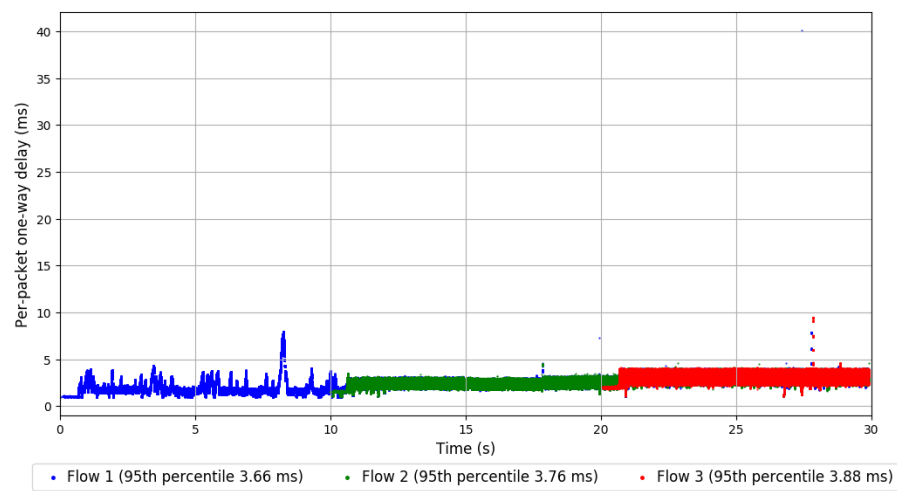
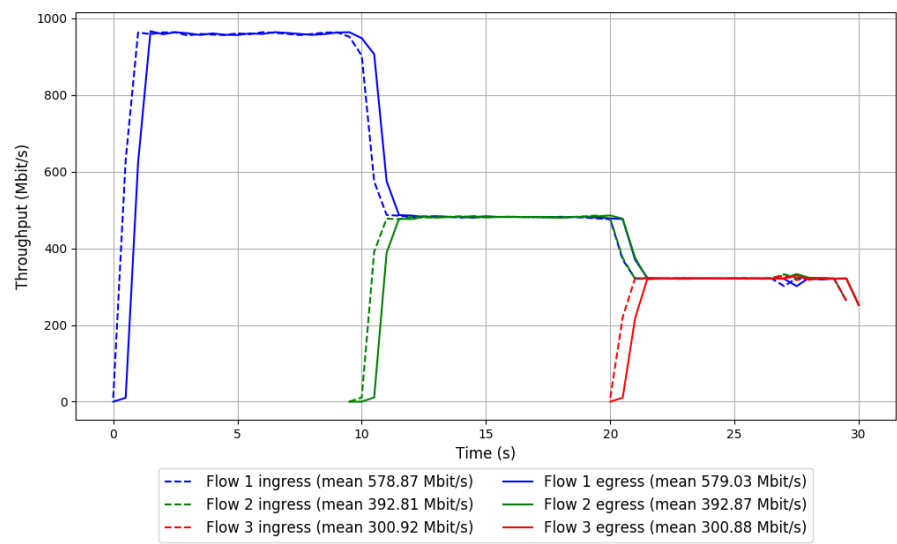


Run 10: Statistics of FillP

Start at: 2018-06-30 18:29:49
End at: 2018-06-30 18:30:19
Local clock offset: 3.635 ms
Remote clock offset: -0.787 ms

Below is generated by plot.py at 2018-06-30 19:48:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 940.24 Mbit/s
95th percentile per-packet one-way delay: 3.759 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 579.03 Mbit/s
95th percentile per-packet one-way delay: 3.661 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 392.87 Mbit/s
95th percentile per-packet one-way delay: 3.759 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 300.88 Mbit/s
95th percentile per-packet one-way delay: 3.876 ms
Loss rate: 0.22%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-06-30 14:11:56

End at: 2018-06-30 14:12:26

Local clock offset: 3.645 ms

Remote clock offset: 3.021 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.105 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.097 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.100 ms

Loss rate: 0.00%

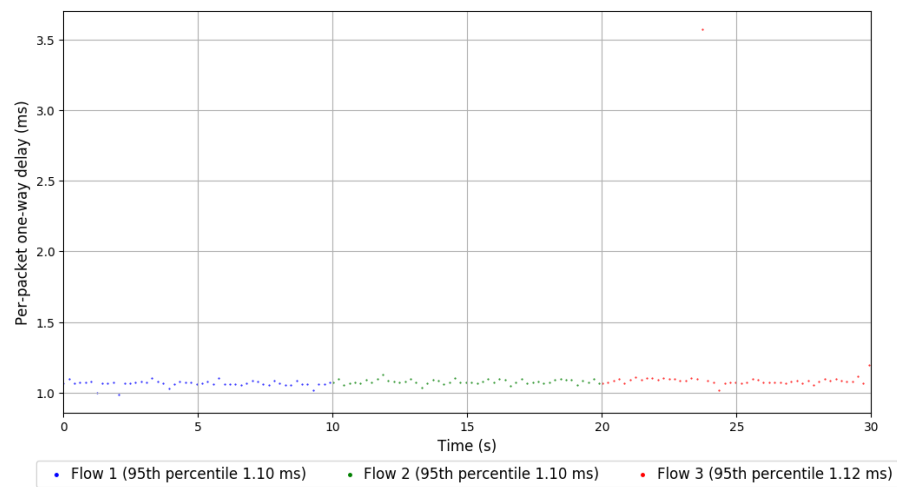
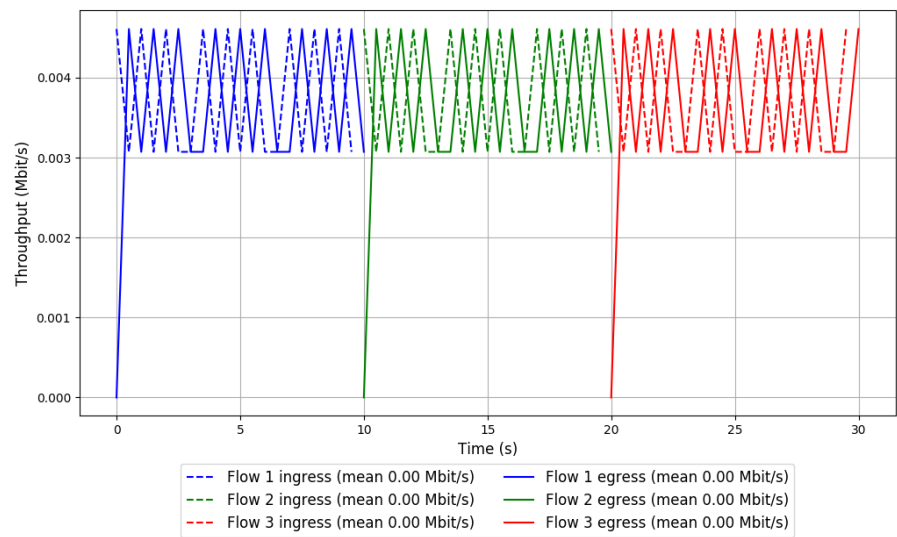
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.118 ms

Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-06-30 14:38:26

End at: 2018-06-30 14:38:56

Local clock offset: 3.182 ms

Remote clock offset: 2.785 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.130 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.130 ms

Loss rate: 0.00%

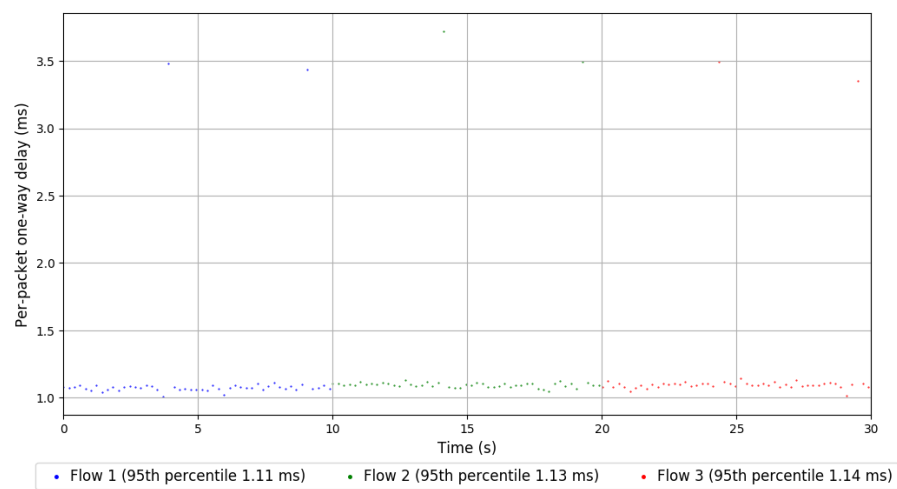
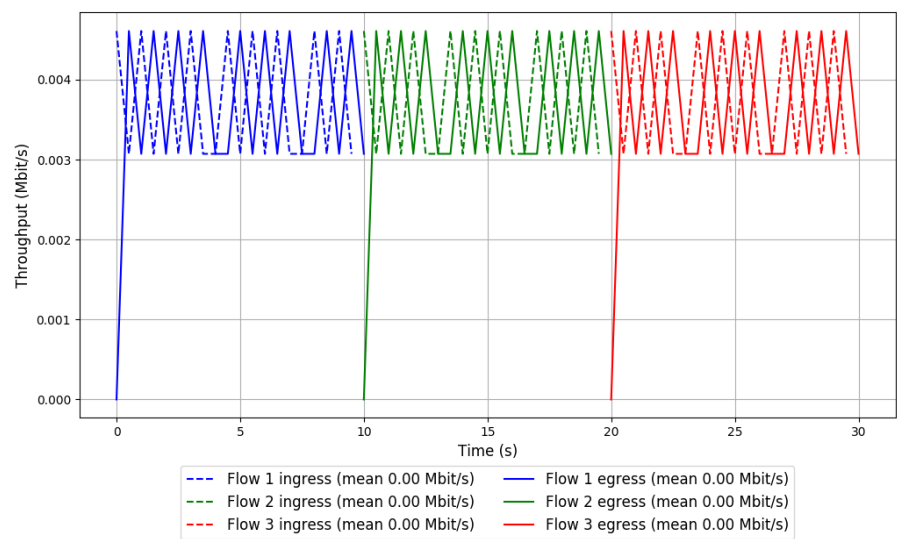
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.144 ms

Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-06-30 15:05:02

End at: 2018-06-30 15:05:32

Local clock offset: -0.051 ms

Remote clock offset: 3.021 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.171 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.156 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.177 ms

Loss rate: 0.00%

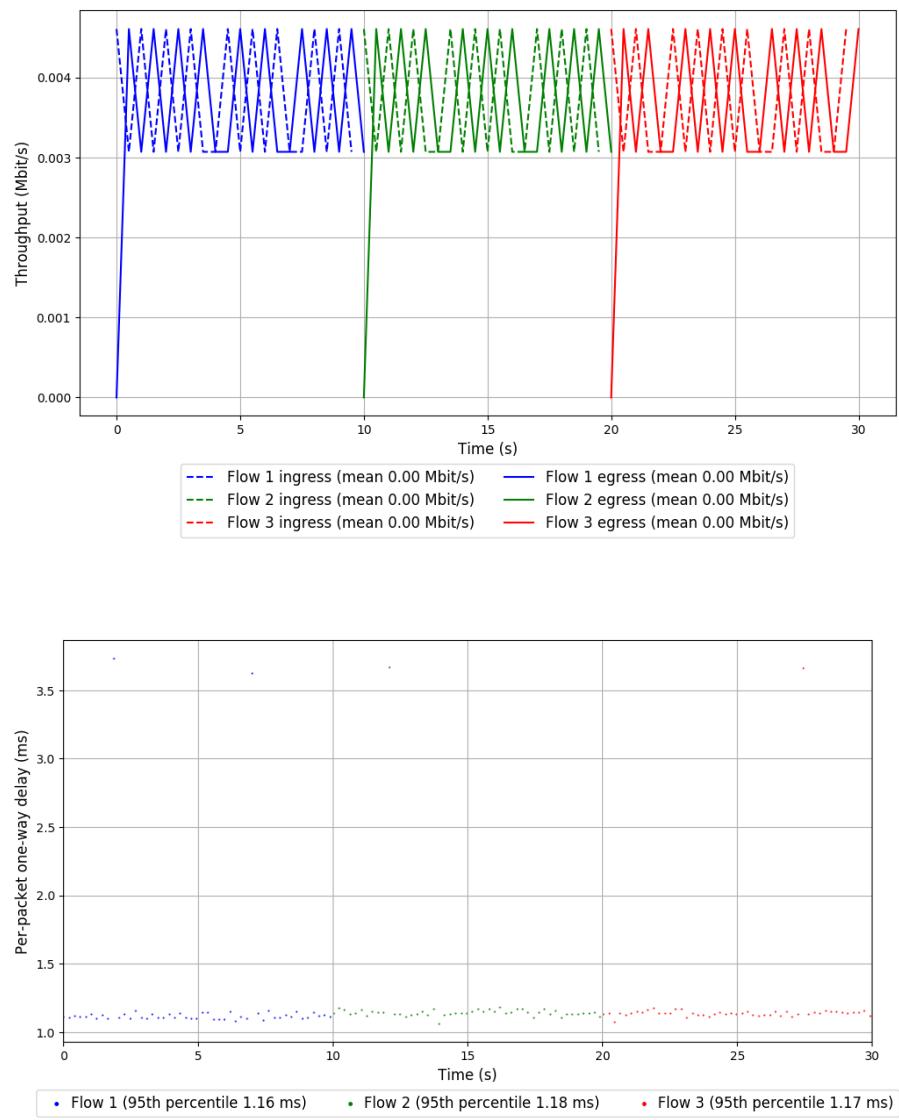
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.168 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-06-30 15:31:39

End at: 2018-06-30 15:32:09

Local clock offset: 3.133 ms

Remote clock offset: 2.404 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.990 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.993 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.926 ms

Loss rate: 0.00%

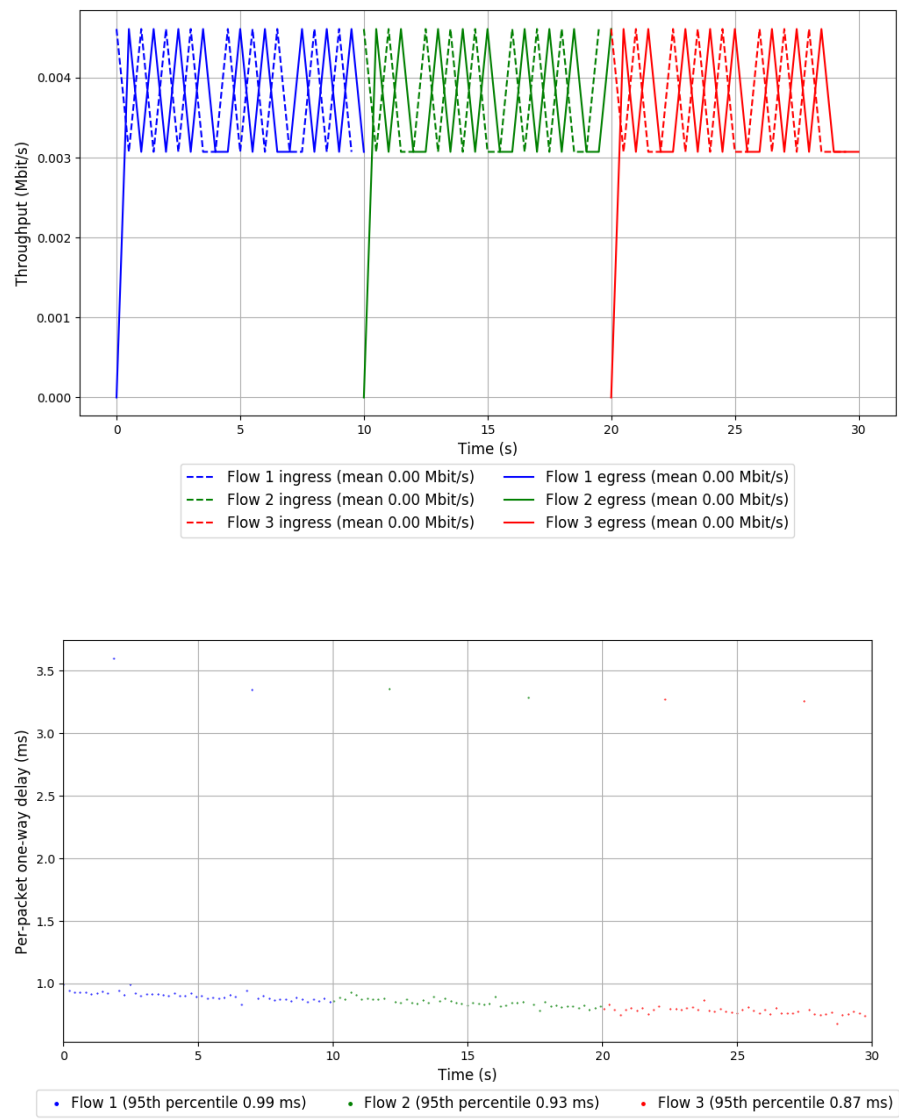
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.868 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link

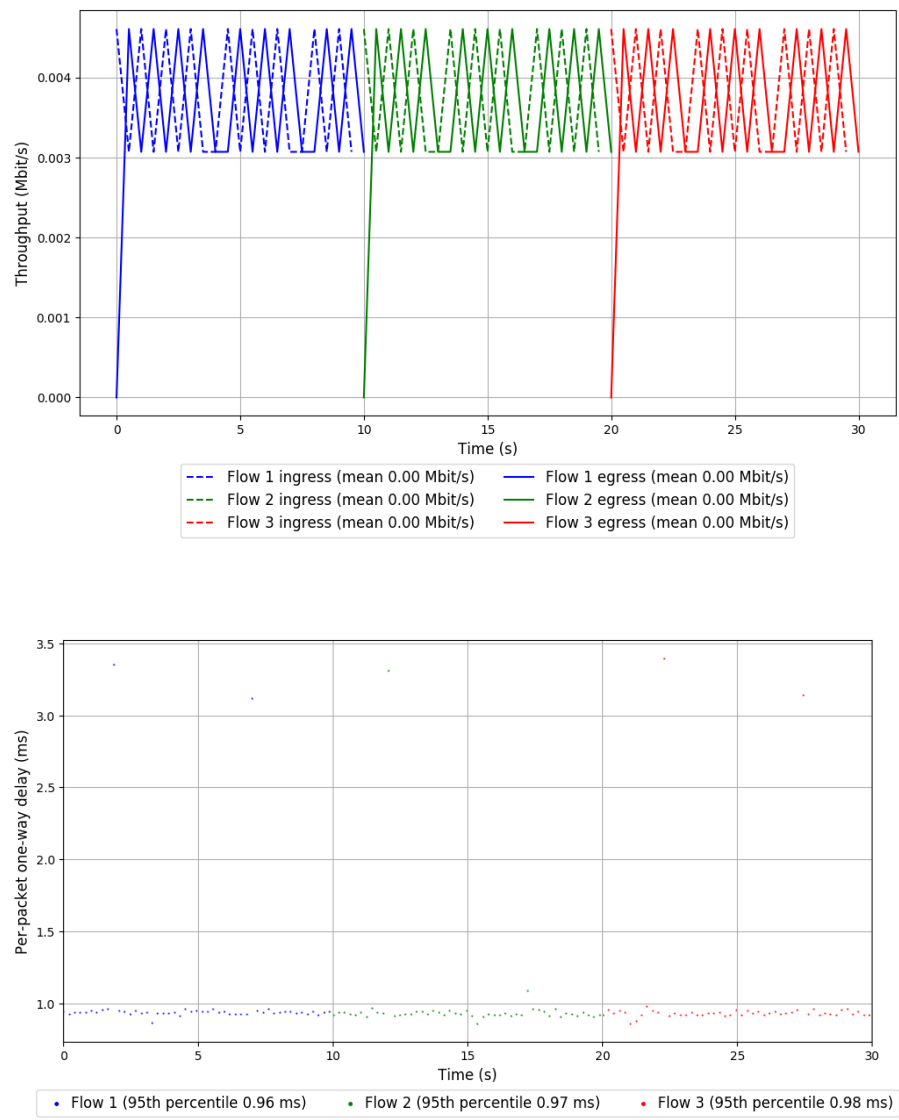


Run 5: Statistics of FillP-Sheep

Start at: 2018-06-30 15:58:10
End at: 2018-06-30 15:58:40
Local clock offset: 3.282 ms
Remote clock offset: -0.712 ms

Below is generated by plot.py at 2018-06-30 19:48:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 0.962 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 0.971 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 0.981 ms
Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

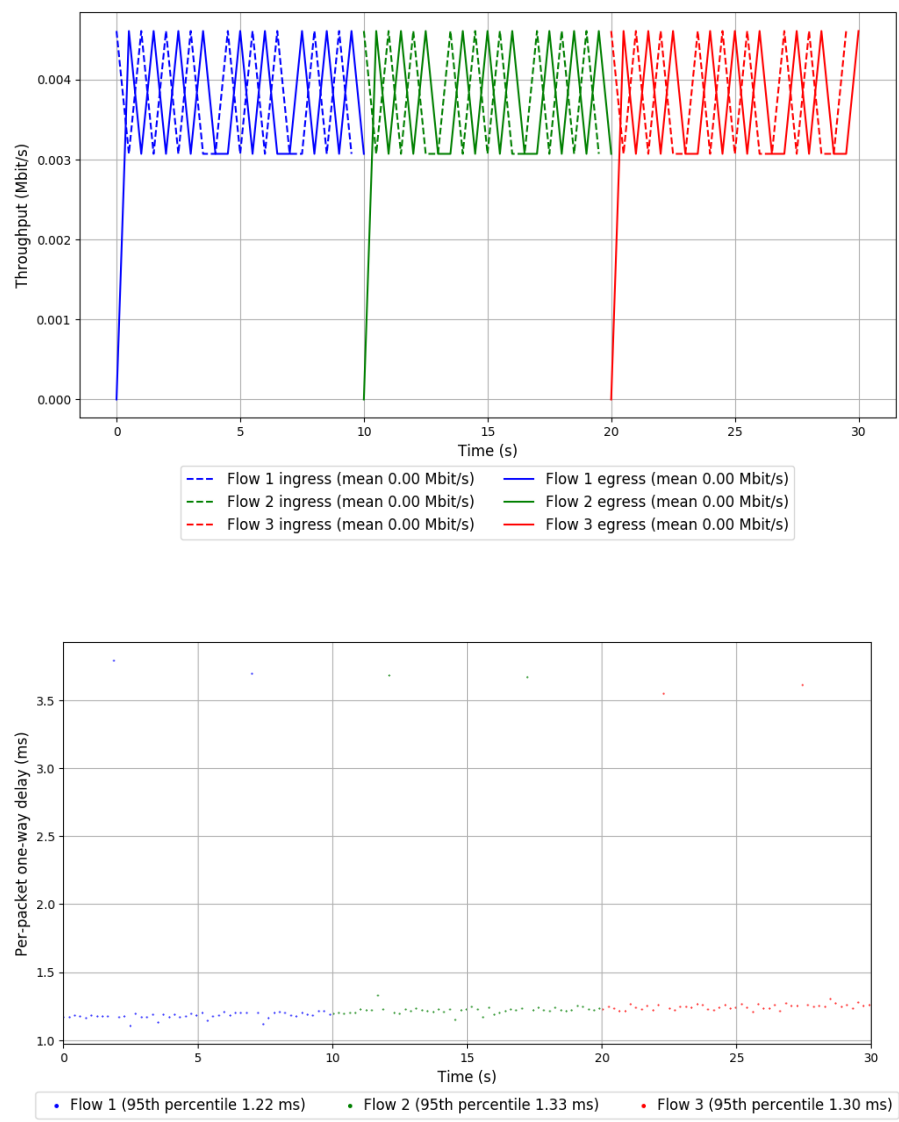


Run 6: Statistics of FillP-Sheep

Start at: 2018-06-30 16:24:39
End at: 2018-06-30 16:25:09
Local clock offset: 1.127 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-06-30 19:48:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-06-30 16:51:09

End at: 2018-06-30 16:51:39

Local clock offset: 1.189 ms

Remote clock offset: 2.806 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.888 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.888 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.902 ms

Loss rate: 0.00%

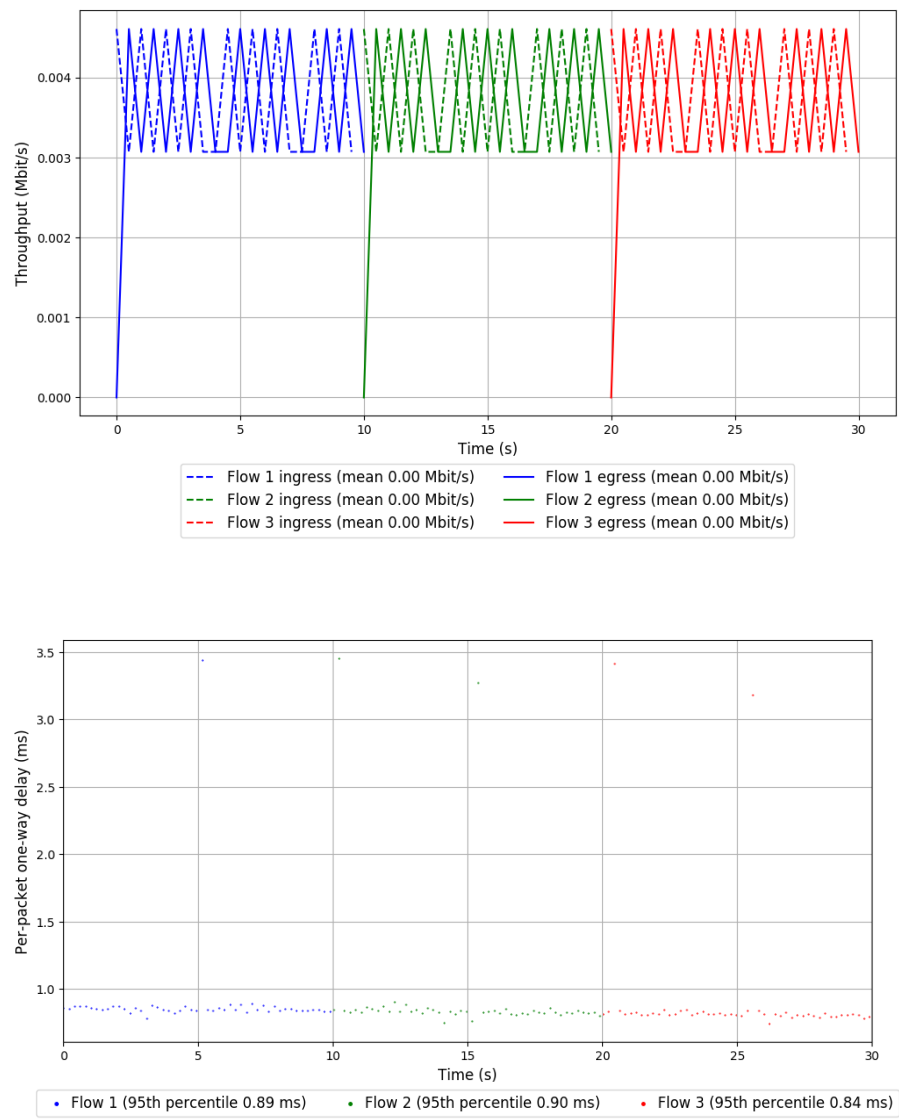
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.845 ms

Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-06-30 17:17:51

End at: 2018-06-30 17:18:21

Local clock offset: 2.593 ms

Remote clock offset: 3.536 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.345 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.257 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.303 ms

Loss rate: 0.00%

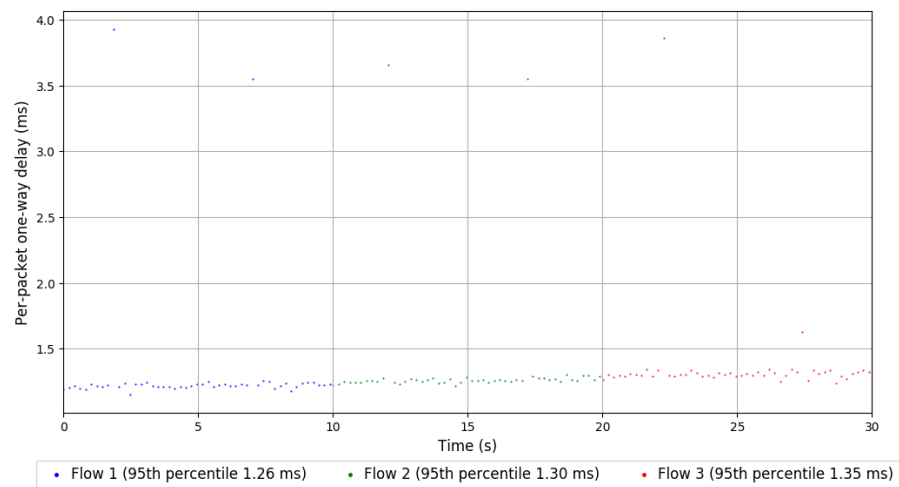
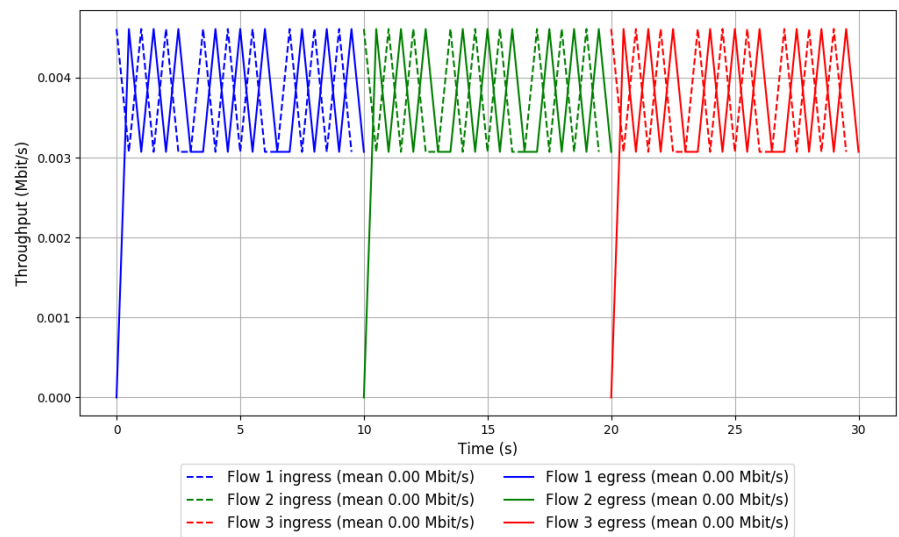
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.347 ms

Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-06-30 17:44:29

End at: 2018-06-30 17:44:59

Local clock offset: -0.02 ms

Remote clock offset: 3.572 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.139 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.118 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.160 ms

Loss rate: 0.00%

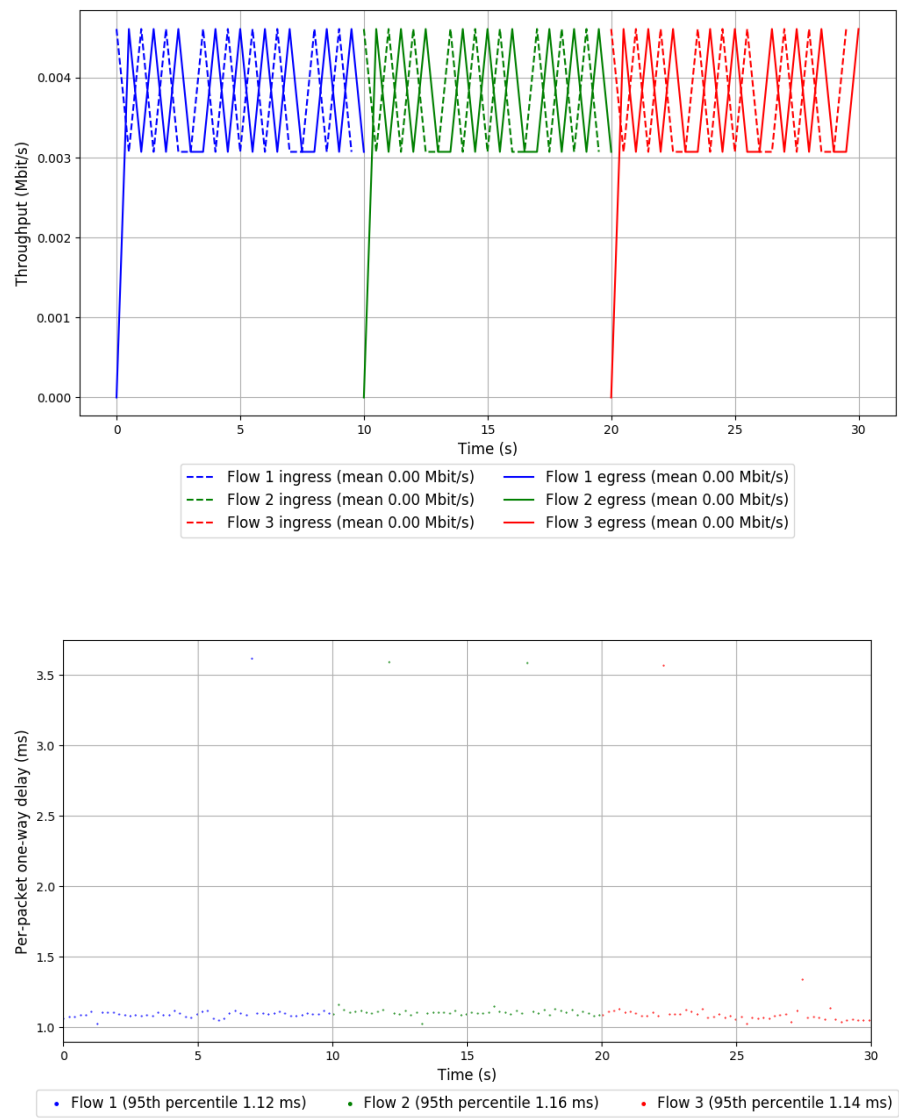
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.139 ms

Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link

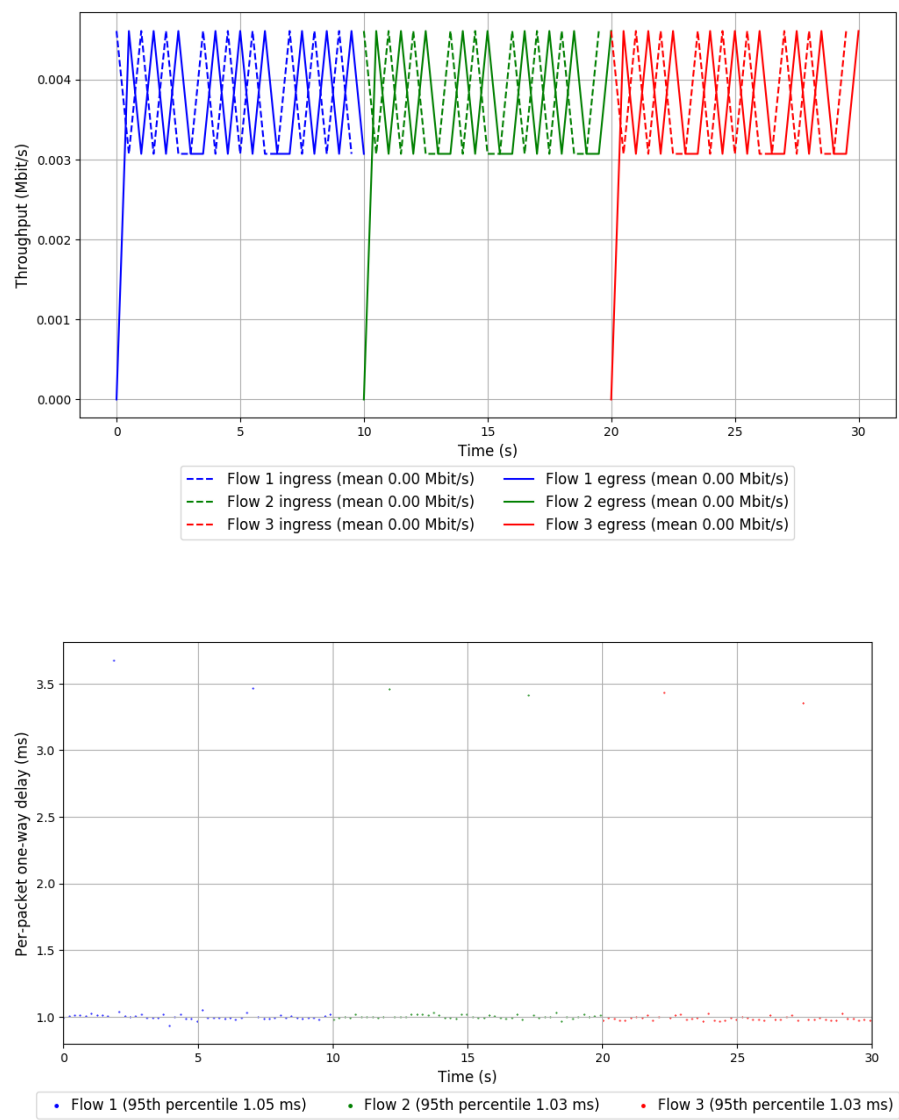


Run 10: Statistics of FillP-Sheep

Start at: 2018-06-30 18:10:52
End at: 2018-06-30 18:11:22
Local clock offset: 3.952 ms
Remote clock offset: -0.799 ms

Below is generated by plot.py at 2018-06-30 19:48:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.030 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.026 ms
Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

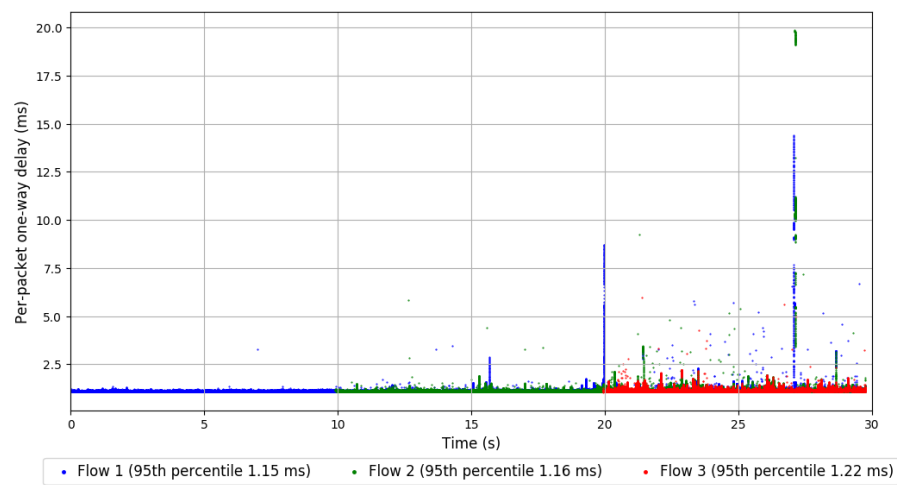
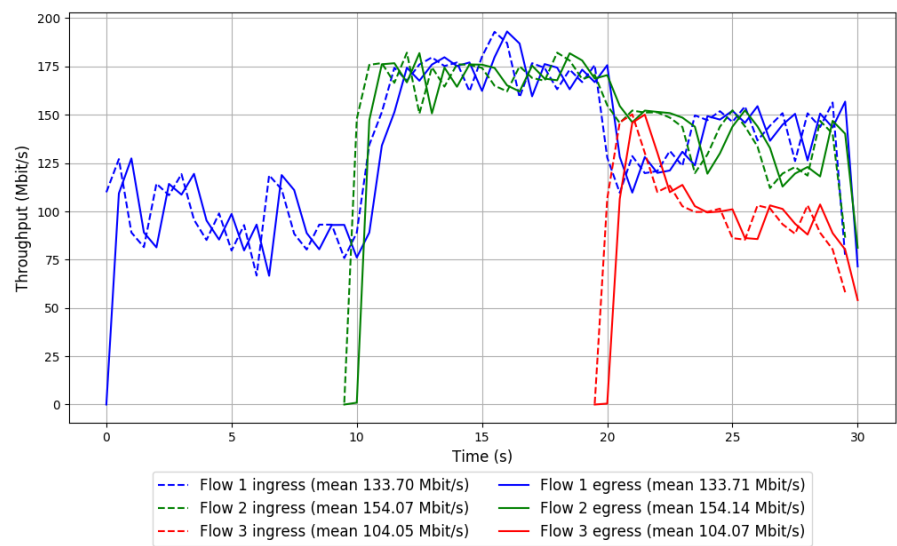


```
Run 1: Statistics of Indigo

Start at: 2018-06-30 14:18:00
End at: 2018-06-30 14:18:30
Local clock offset: 3.539 ms
Remote clock offset: 3.122 ms

# Below is generated by plot.py at 2018-06-30 19:48:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 270.83 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 133.71 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 154.14 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 104.07 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.21%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-30 14:44:31

End at: 2018-06-30 14:45:01

Local clock offset: 3.196 ms

Remote clock offset: 2.922 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.98 Mbit/s

95th percentile per-packet one-way delay: 1.084 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 164.82 Mbit/s

95th percentile per-packet one-way delay: 1.076 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 155.10 Mbit/s

95th percentile per-packet one-way delay: 1.089 ms

Loss rate: 0.10%

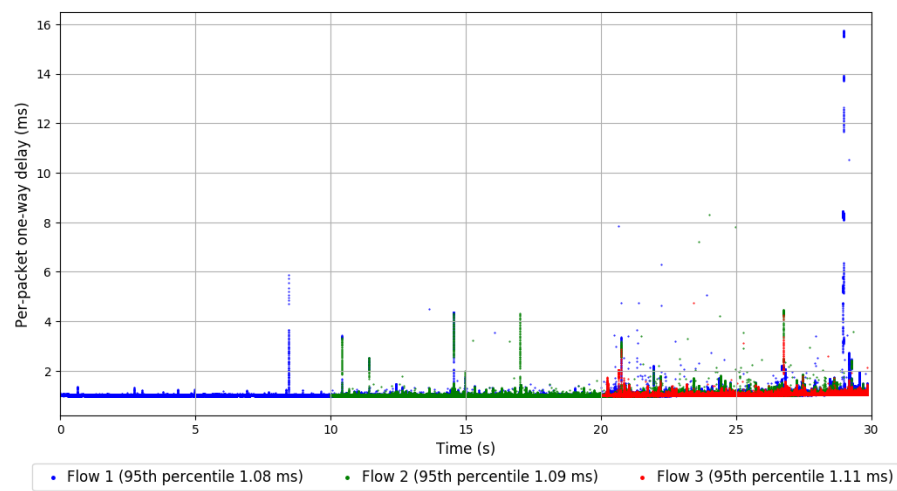
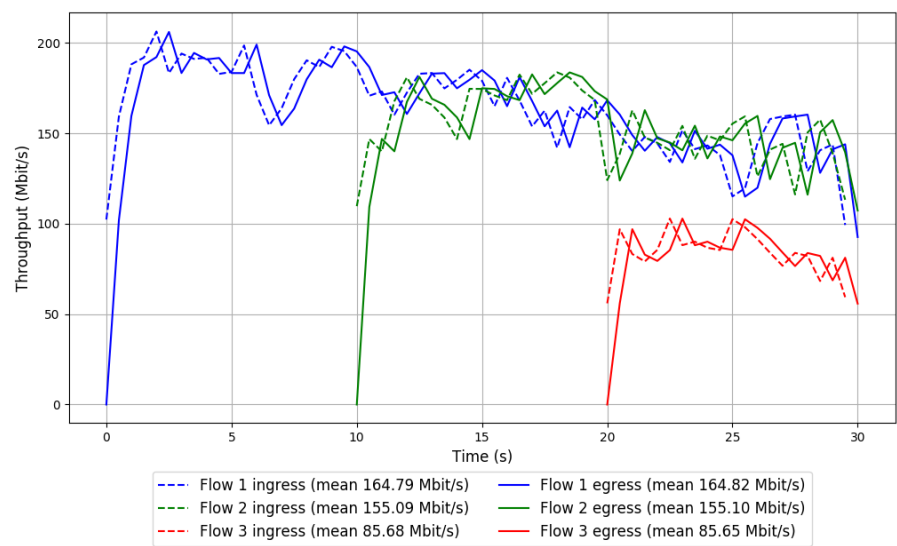
-- Flow 3:

Average throughput: 85.65 Mbit/s

95th percentile per-packet one-way delay: 1.107 ms

Loss rate: 0.21%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-30 15:11:09

End at: 2018-06-30 15:11:39

Local clock offset: -0.342 ms

Remote clock offset: 3.076 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.65 Mbit/s

95th percentile per-packet one-way delay: 1.171 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 160.41 Mbit/s

95th percentile per-packet one-way delay: 1.170 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 148.67 Mbit/s

95th percentile per-packet one-way delay: 1.167 ms

Loss rate: 0.09%

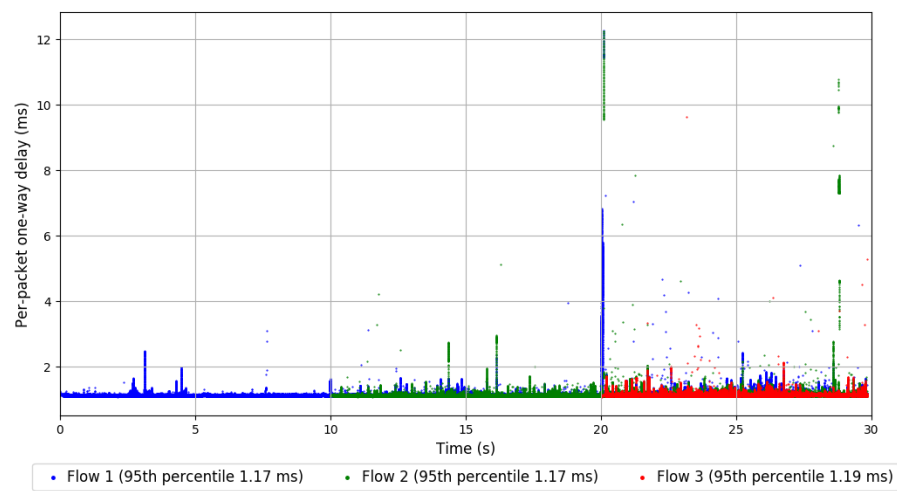
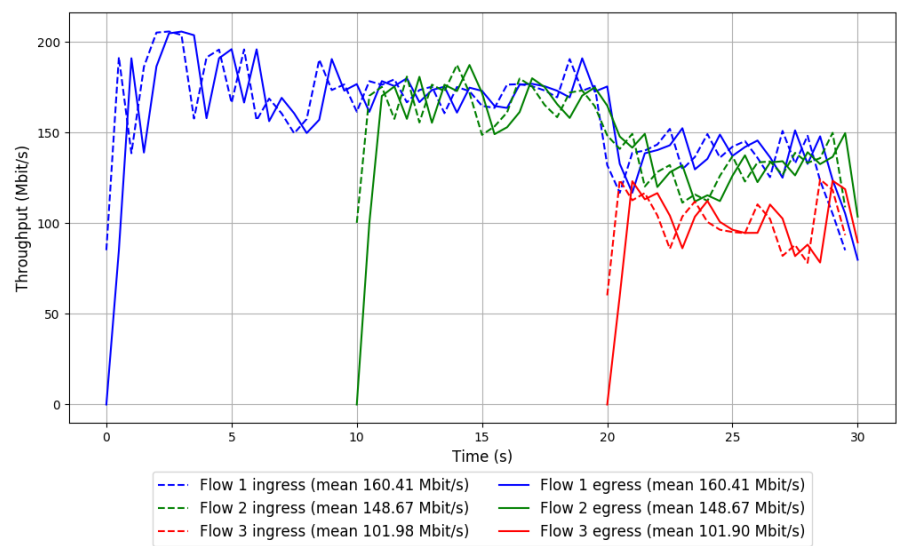
-- Flow 3:

Average throughput: 101.90 Mbit/s

95th percentile per-packet one-way delay: 1.190 ms

Loss rate: 0.21%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-30 15:37:42

End at: 2018-06-30 15:38:12

Local clock offset: 3.522 ms

Remote clock offset: 0.92 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.68 Mbit/s

95th percentile per-packet one-way delay: 0.952 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 157.06 Mbit/s

95th percentile per-packet one-way delay: 0.955 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 151.57 Mbit/s

95th percentile per-packet one-way delay: 0.929 ms

Loss rate: 0.12%

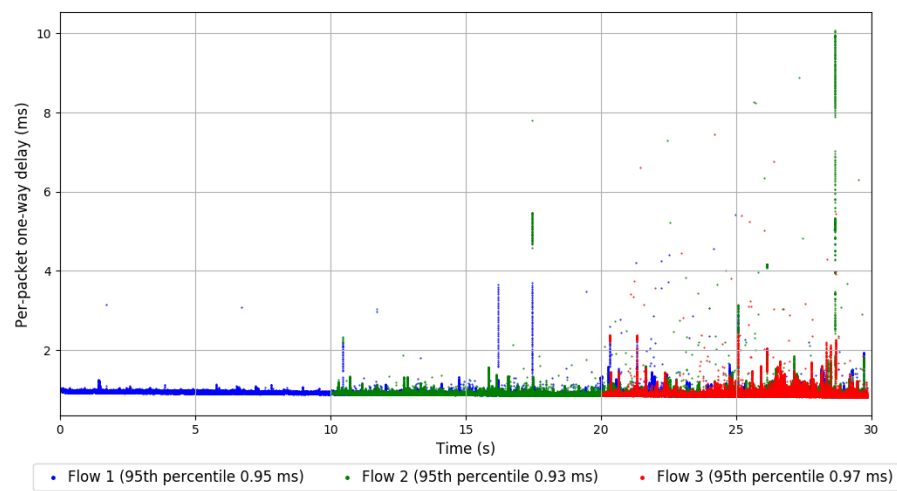
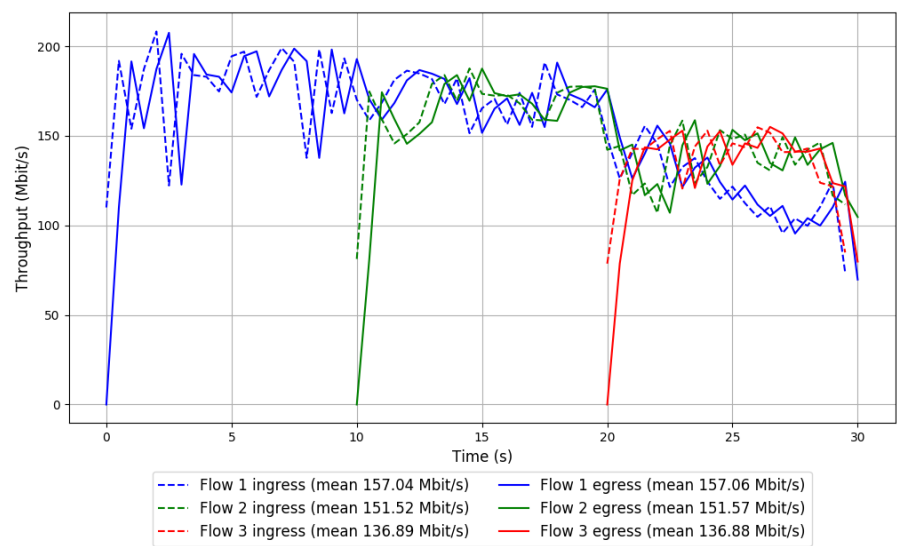
-- Flow 3:

Average throughput: 136.88 Mbit/s

95th percentile per-packet one-way delay: 0.968 ms

Loss rate: 0.20%

Run 4: Report of Indigo — Data Link

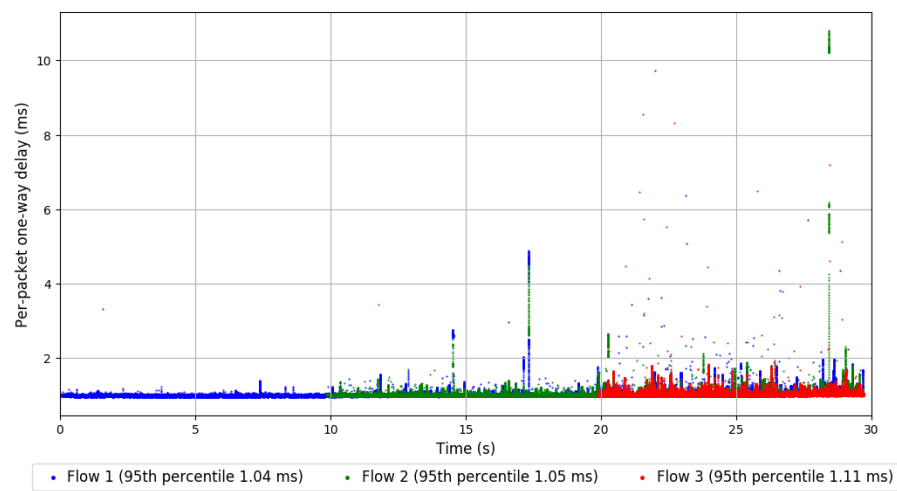
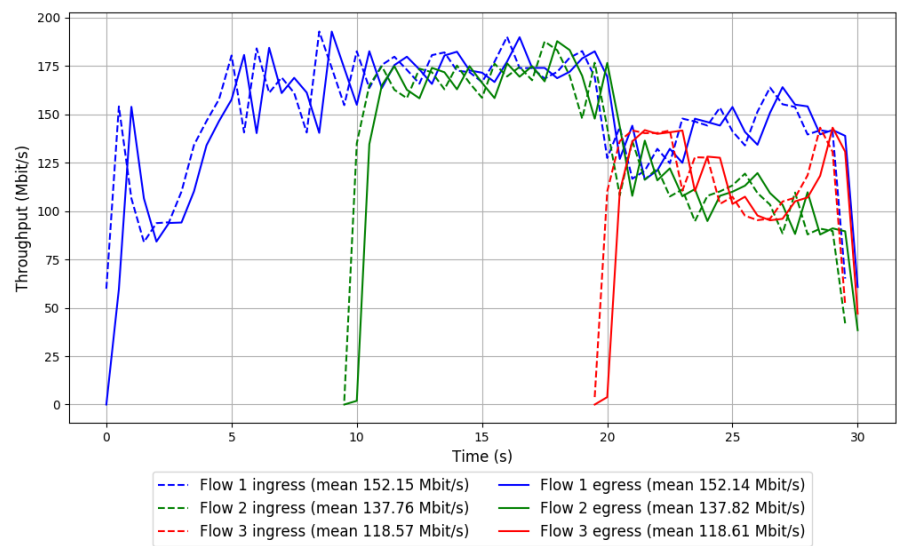


Run 5: Statistics of Indigo

Start at: 2018-06-30 16:04:15
End at: 2018-06-30 16:04:45
Local clock offset: 3.325 ms
Remote clock offset: -0.738 ms

Below is generated by plot.py at 2018-06-30 19:48:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.41 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 152.14 Mbit/s
95th percentile per-packet one-way delay: 1.043 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 137.82 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 118.61 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.21%

Run 5: Report of Indigo — Data Link

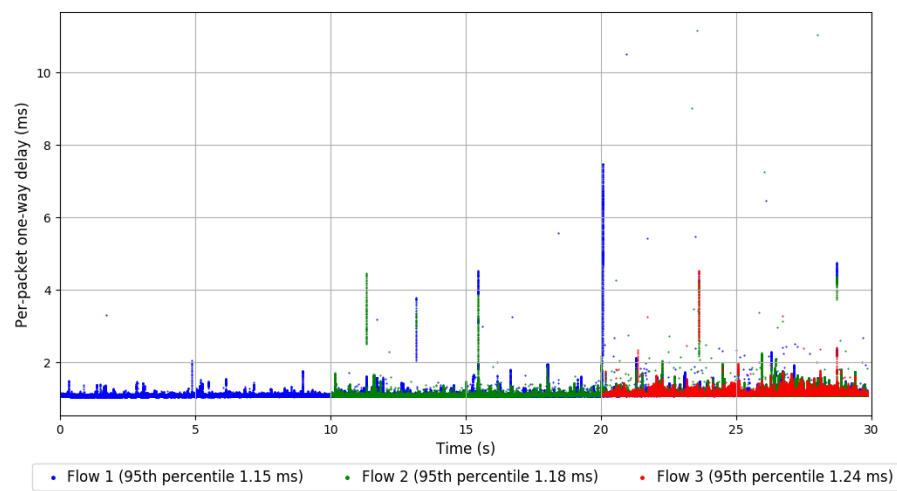
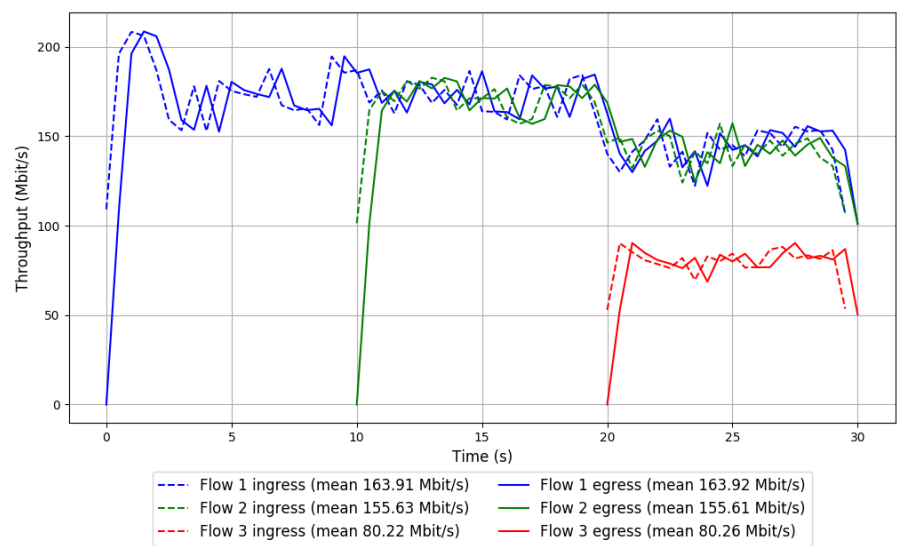


Run 6: Statistics of Indigo

Start at: 2018-06-30 16:30:41
End at: 2018-06-30 16:31:11
Local clock offset: 0.409 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-06-30 19:48:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.71 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 163.92 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 155.61 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 80.26 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.20%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-30 16:57:14

End at: 2018-06-30 16:57:44

Local clock offset: 2.372 ms

Remote clock offset: 3.337 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 297.05 Mbit/s

95th percentile per-packet one-way delay: 1.058 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 164.63 Mbit/s

95th percentile per-packet one-way delay: 1.050 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 155.03 Mbit/s

95th percentile per-packet one-way delay: 1.073 ms

Loss rate: 0.07%

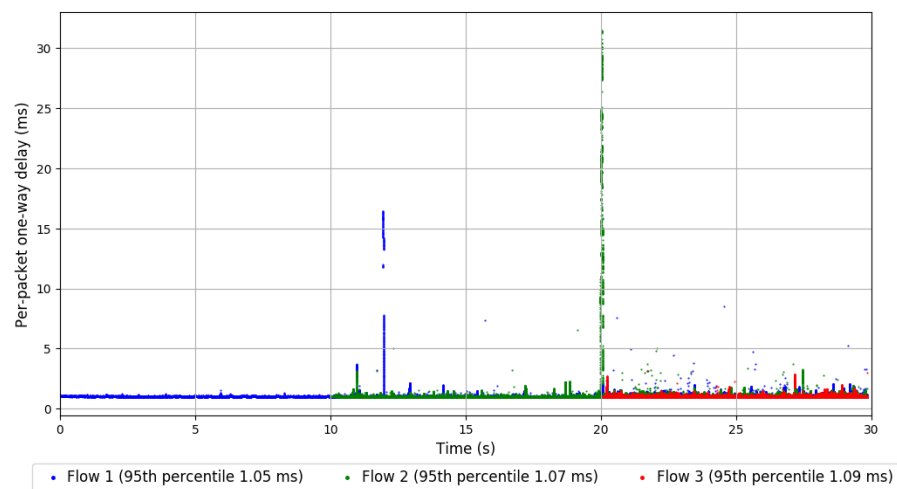
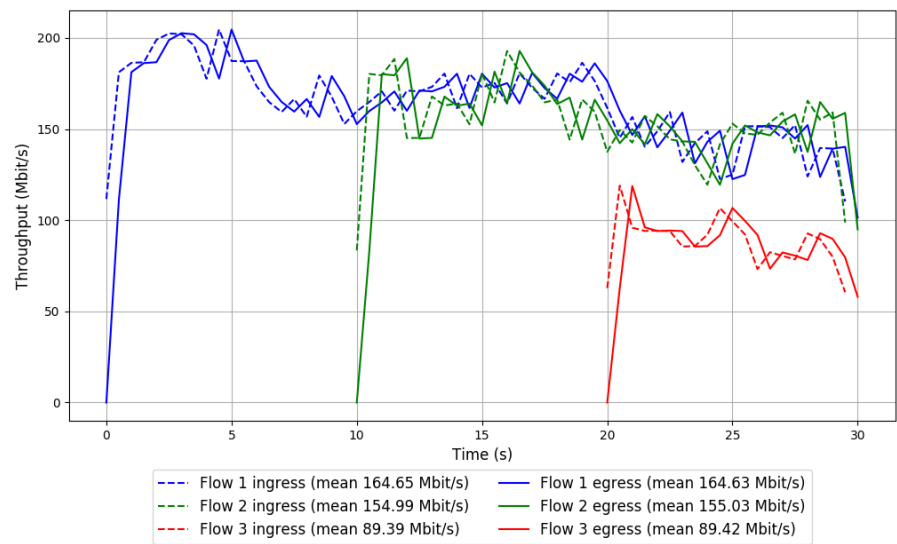
-- Flow 3:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 1.086 ms

Loss rate: 0.16%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-30 17:23:55

End at: 2018-06-30 17:24:25

Local clock offset: 1.372 ms

Remote clock offset: 3.382 ms

Below is generated by plot.py at 2018-06-30 19:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.91 Mbit/s

95th percentile per-packet one-way delay: 1.231 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 167.42 Mbit/s

95th percentile per-packet one-way delay: 1.217 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 148.02 Mbit/s

95th percentile per-packet one-way delay: 1.244 ms

Loss rate: 0.10%

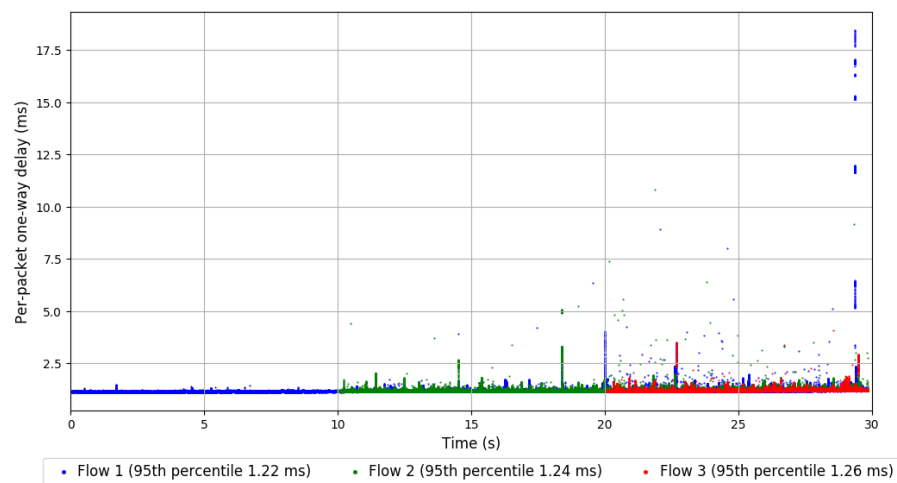
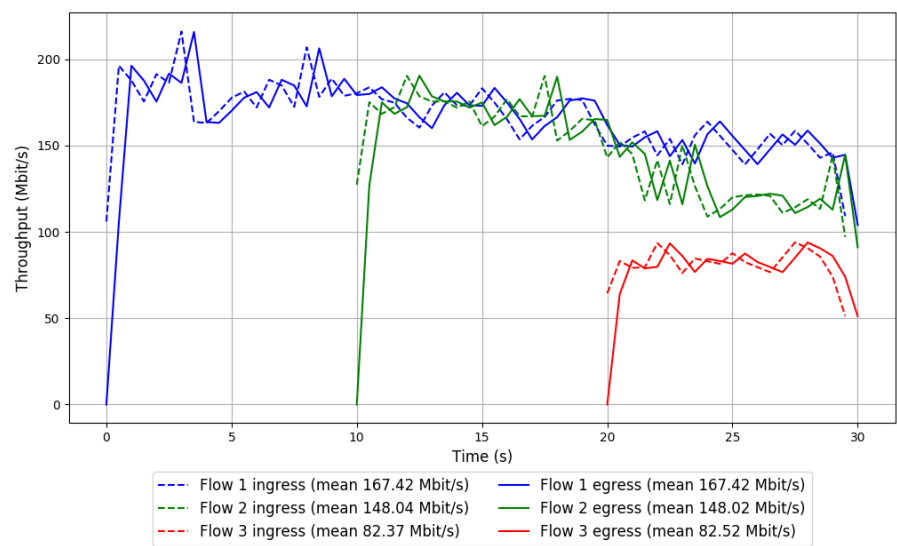
-- Flow 3:

Average throughput: 82.52 Mbit/s

95th percentile per-packet one-way delay: 1.264 ms

Loss rate: 0.01%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-30 17:50:33

End at: 2018-06-30 17:51:03

Local clock offset: 1.699 ms

Remote clock offset: 1.649 ms

Below is generated by plot.py at 2018-06-30 19:48:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.85 Mbit/s

95th percentile per-packet one-way delay: 0.913 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 163.15 Mbit/s

95th percentile per-packet one-way delay: 0.921 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 153.30 Mbit/s

95th percentile per-packet one-way delay: 0.836 ms

Loss rate: 0.08%

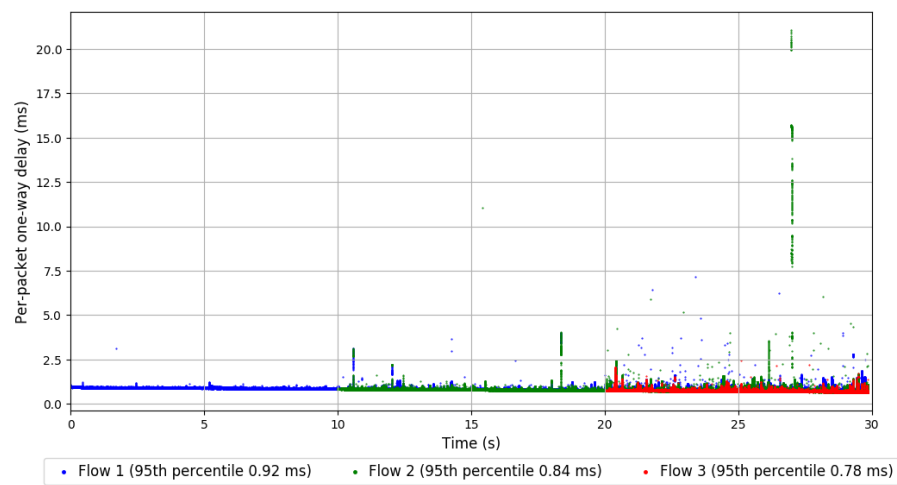
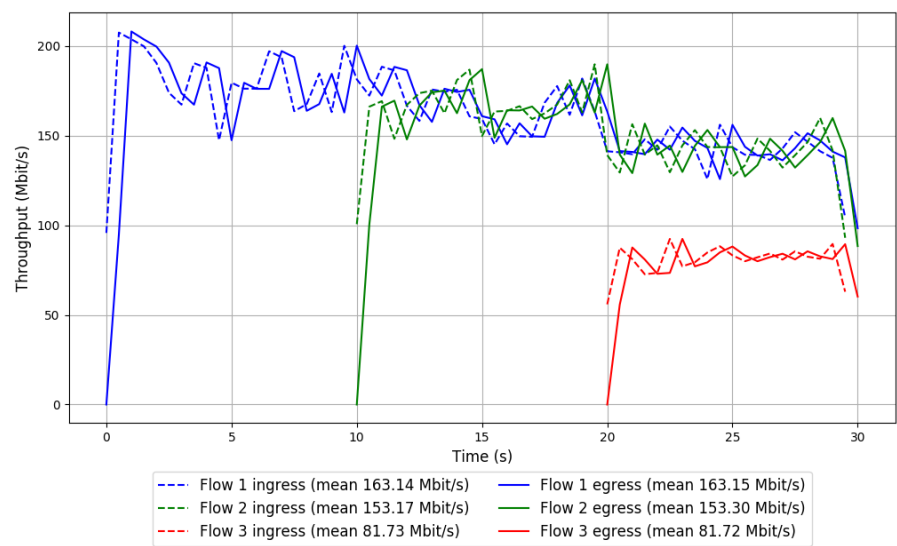
-- Flow 3:

Average throughput: 81.72 Mbit/s

95th percentile per-packet one-way delay: 0.784 ms

Loss rate: 0.19%

Run 9: Report of Indigo — Data Link

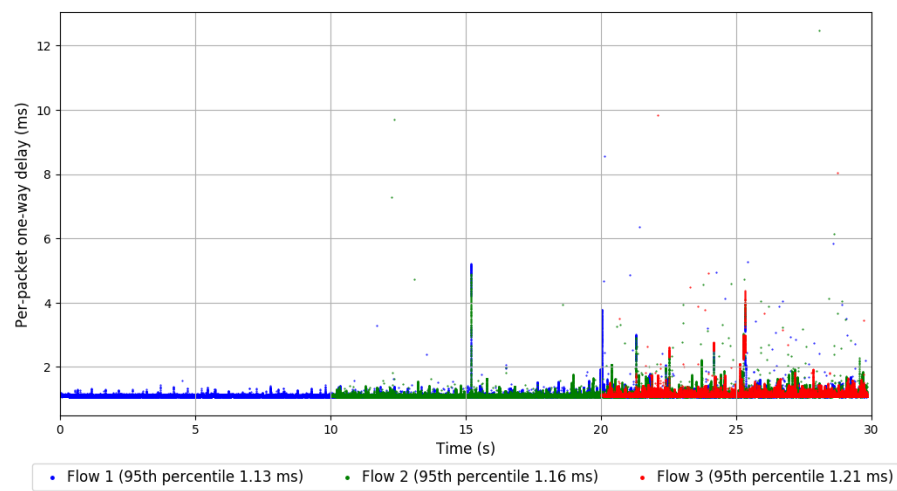
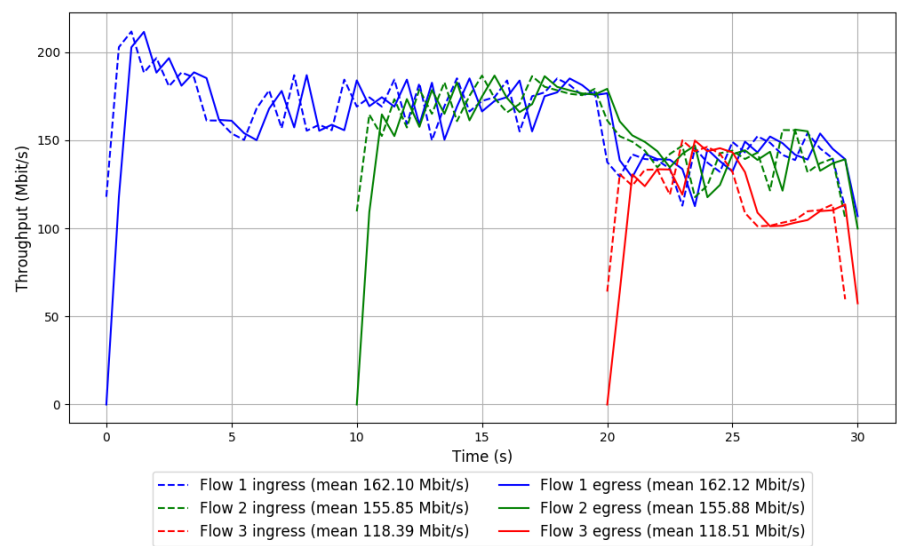


Run 10: Statistics of Indigo

Start at: 2018-06-30 18:16:56
End at: 2018-06-30 18:17:26
Local clock offset: 4.017 ms
Remote clock offset: -1.138 ms

Below is generated by plot.py at 2018-06-30 19:48:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.61 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 162.12 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 155.88 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 118.51 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.10%

Run 10: Report of Indigo — Data Link

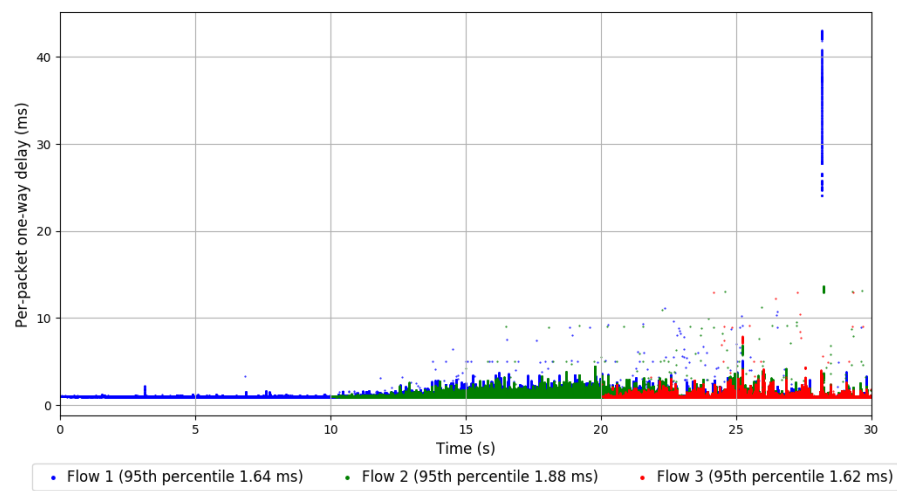
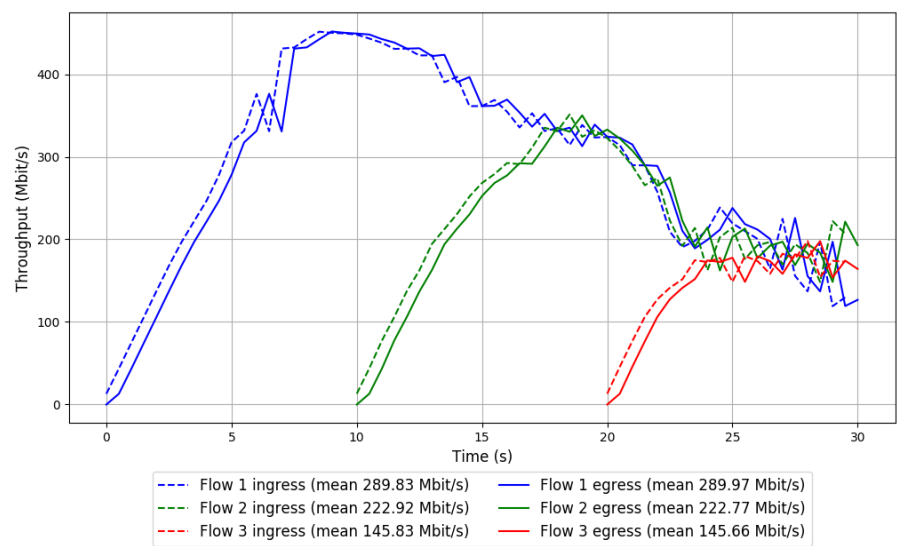


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-30 14:27:20
End at: 2018-06-30 14:27:50
Local clock offset: 3.17 ms
Remote clock offset: 2.86 ms

# Below is generated by plot.py at 2018-06-30 19:51:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 486.61 Mbit/s
95th percentile per-packet one-way delay: 1.726 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 289.97 Mbit/s
95th percentile per-packet one-way delay: 1.635 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 222.77 Mbit/s
95th percentile per-packet one-way delay: 1.875 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 145.66 Mbit/s
95th percentile per-packet one-way delay: 1.623 ms
Loss rate: 0.31%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-06-30 14:53:58

End at: 2018-06-30 14:54:28

Local clock offset: 1.1 ms

Remote clock offset: 3.115 ms

Below is generated by plot.py at 2018-06-30 19:51:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 490.87 Mbit/s

95th percentile per-packet one-way delay: 1.813 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 290.89 Mbit/s

95th percentile per-packet one-way delay: 1.706 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 223.48 Mbit/s

95th percentile per-packet one-way delay: 2.003 ms

Loss rate: 0.04%

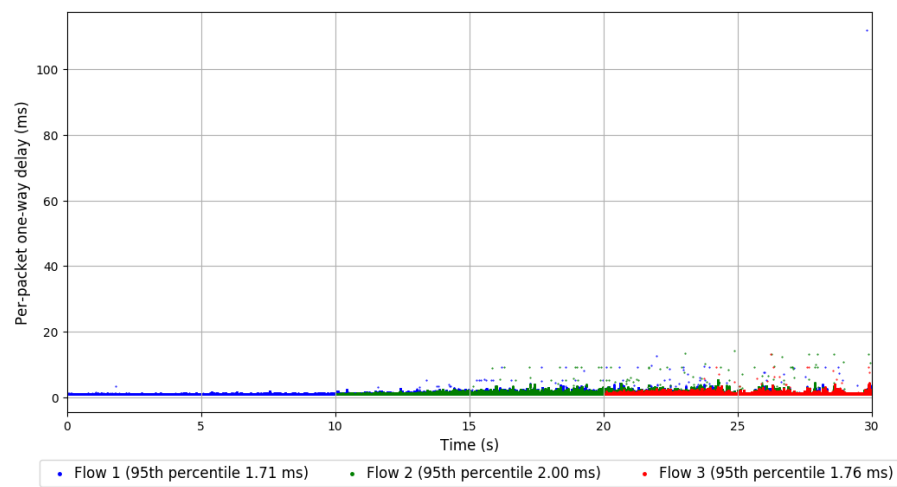
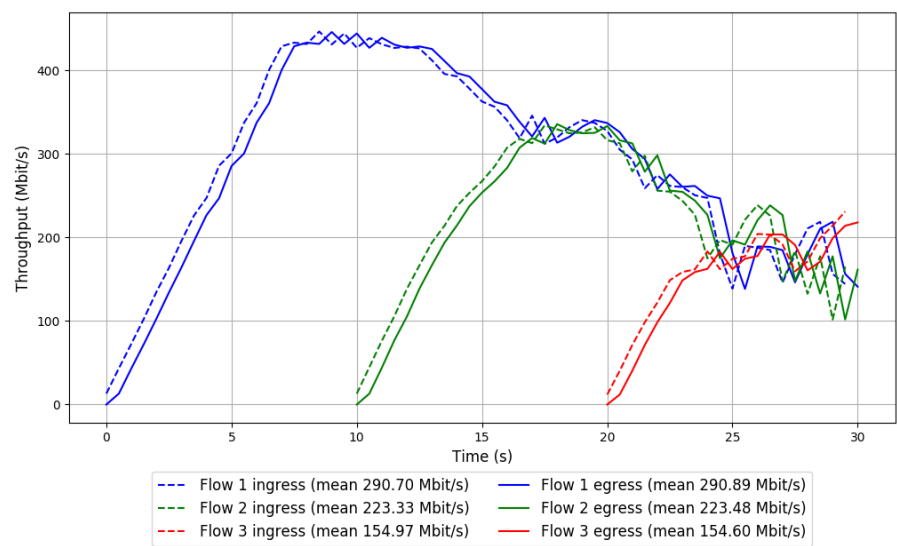
-- Flow 3:

Average throughput: 154.60 Mbit/s

95th percentile per-packet one-way delay: 1.765 ms

Loss rate: 0.44%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-30 15:20:36

End at: 2018-06-30 15:21:06

Local clock offset: 1.207 ms

Remote clock offset: 3.266 ms

Below is generated by plot.py at 2018-06-30 19:52:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 500.13 Mbit/s

95th percentile per-packet one-way delay: 1.510 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 301.15 Mbit/s

95th percentile per-packet one-way delay: 1.426 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 220.48 Mbit/s

95th percentile per-packet one-way delay: 1.690 ms

Loss rate: 0.07%

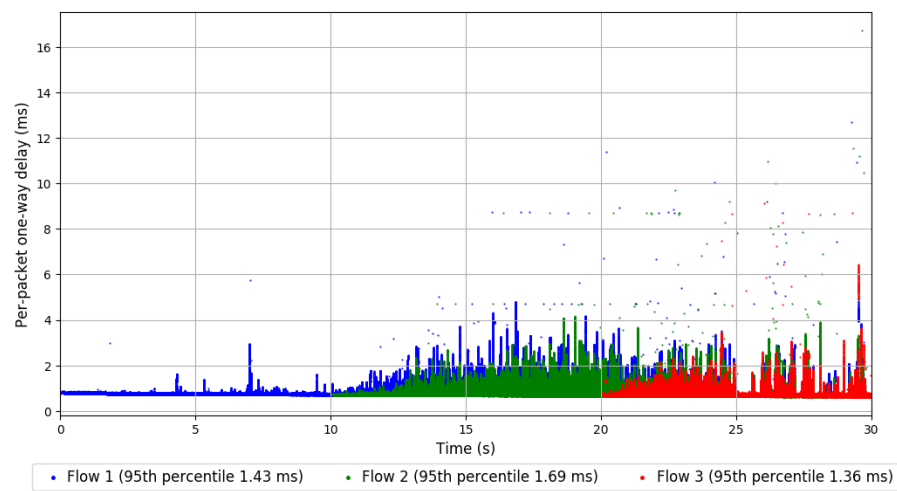
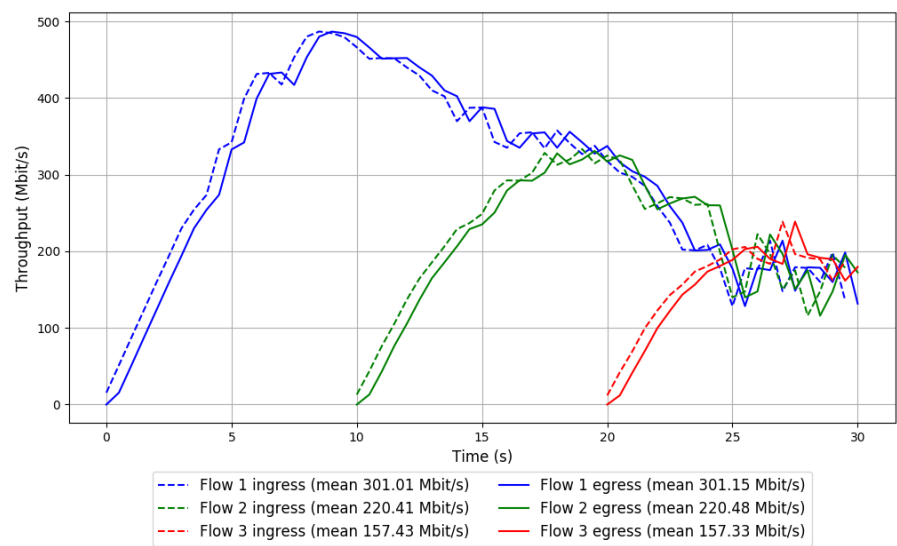
-- Flow 3:

Average throughput: 157.33 Mbit/s

95th percentile per-packet one-way delay: 1.363 ms

Loss rate: 0.26%

Run 3: Report of LEDBAT — Data Link

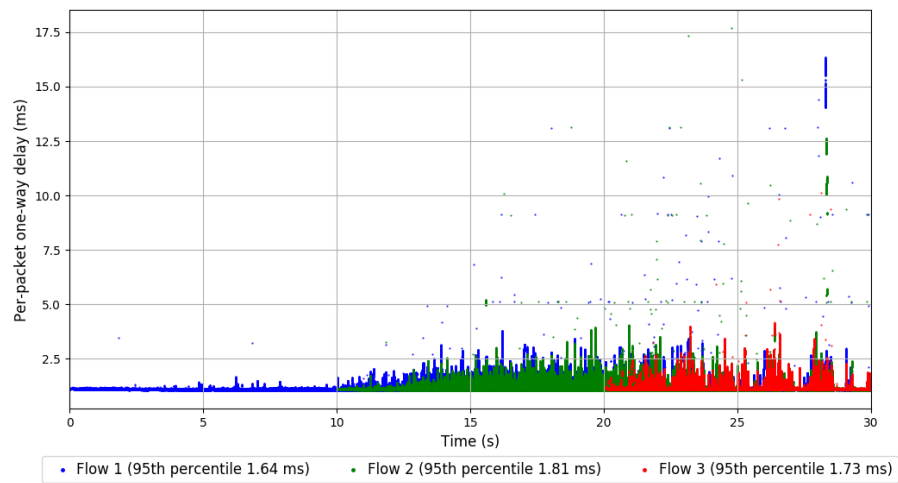
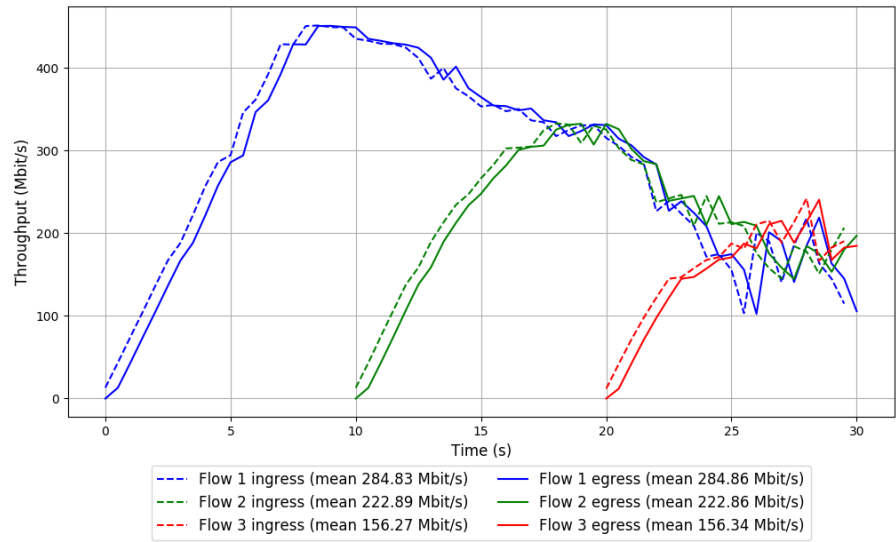


Run 4: Statistics of LEDBAT

Start at: 2018-06-30 15:47:09
End at: 2018-06-30 15:47:39
Local clock offset: 3.754 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-06-30 19:52:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.04 Mbit/s
95th percentile per-packet one-way delay: 1.701 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 284.86 Mbit/s
95th percentile per-packet one-way delay: 1.637 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 222.86 Mbit/s
95th percentile per-packet one-way delay: 1.811 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 156.34 Mbit/s
95th percentile per-packet one-way delay: 1.727 ms
Loss rate: 0.19%

Run 4: Report of LEDBAT — Data Link

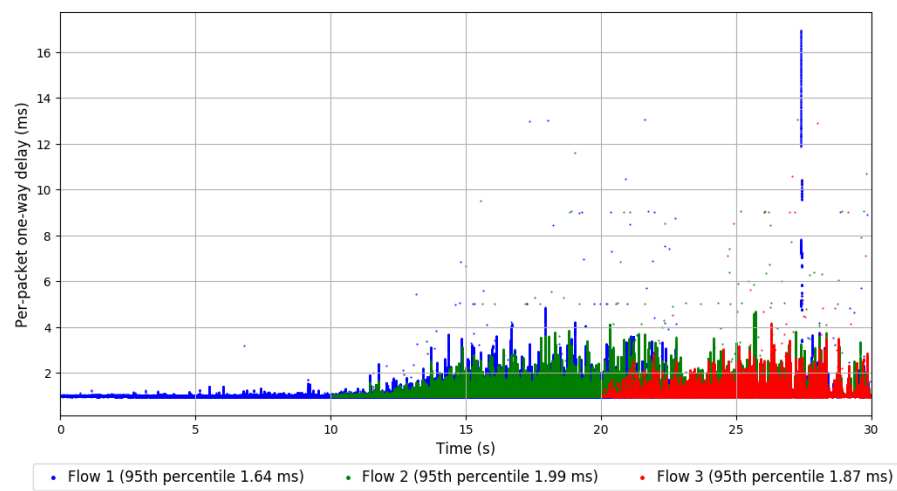
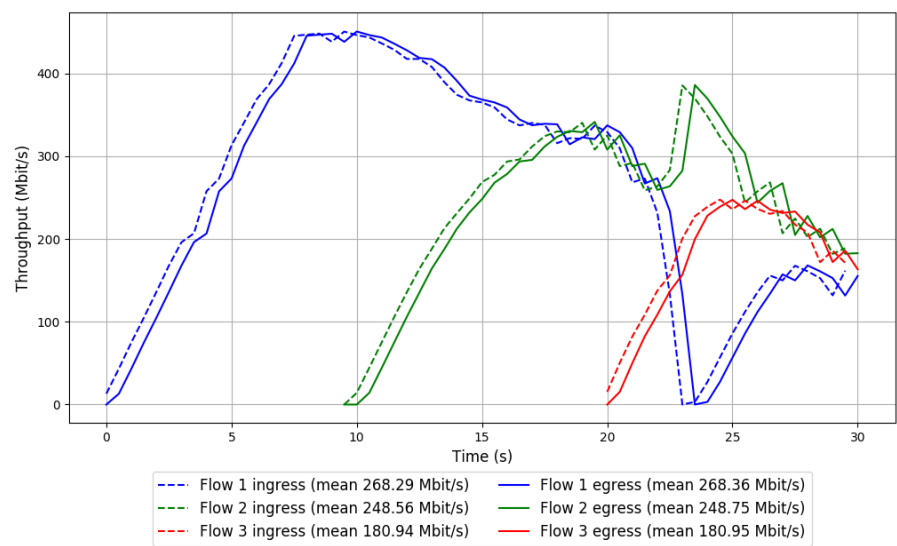


Run 5: Statistics of LEDBAT

Start at: 2018-06-30 16:13:37
End at: 2018-06-30 16:14:07
Local clock offset: 3.341 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2018-06-30 19:53:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 494.01 Mbit/s
95th percentile per-packet one-way delay: 1.807 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 268.36 Mbit/s
95th percentile per-packet one-way delay: 1.635 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 248.75 Mbit/s
95th percentile per-packet one-way delay: 1.993 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 180.95 Mbit/s
95th percentile per-packet one-way delay: 1.868 ms
Loss rate: 0.22%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-30 16:40:06

End at: 2018-06-30 16:40:36

Local clock offset: -0.273 ms

Remote clock offset: 0.755 ms

Below is generated by plot.py at 2018-06-30 19:53:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 489.12 Mbit/s

95th percentile per-packet one-way delay: 1.911 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 291.17 Mbit/s

95th percentile per-packet one-way delay: 1.804 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 219.28 Mbit/s

95th percentile per-packet one-way delay: 2.043 ms

Loss rate: 0.06%

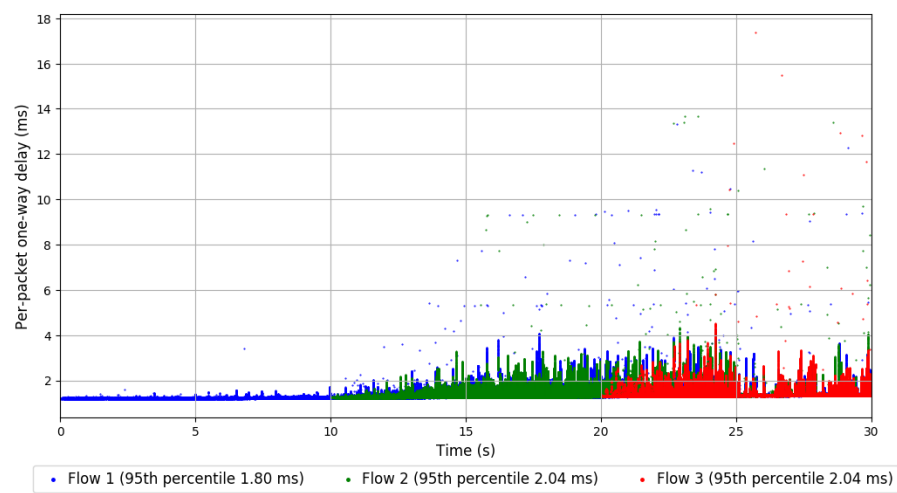
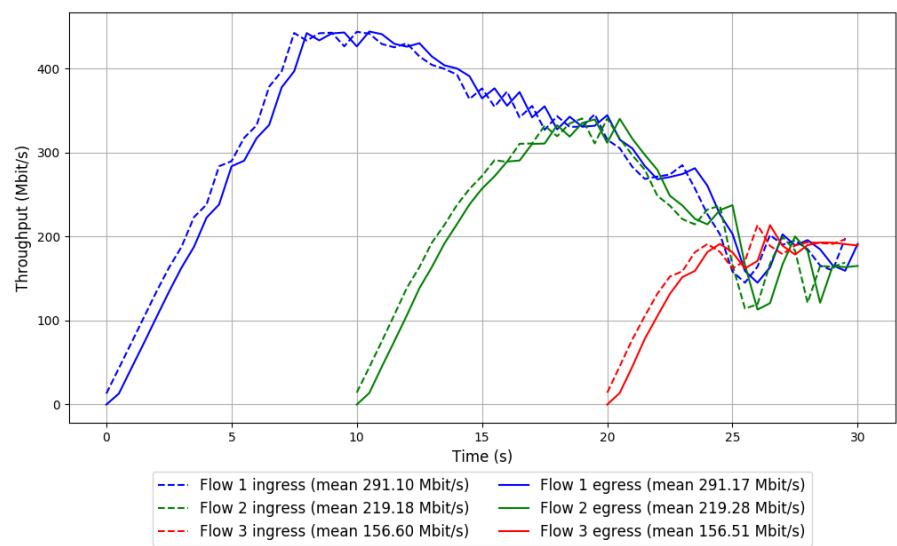
-- Flow 3:

Average throughput: 156.51 Mbit/s

95th percentile per-packet one-way delay: 2.037 ms

Loss rate: 0.25%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-30 17:06:44

End at: 2018-06-30 17:07:14

Local clock offset: 3.145 ms

Remote clock offset: 3.926 ms

Below is generated by plot.py at 2018-06-30 19:54:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 499.93 Mbit/s

95th percentile per-packet one-way delay: 1.809 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 303.00 Mbit/s

95th percentile per-packet one-way delay: 1.728 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 201.42 Mbit/s

95th percentile per-packet one-way delay: 1.909 ms

Loss rate: 0.09%

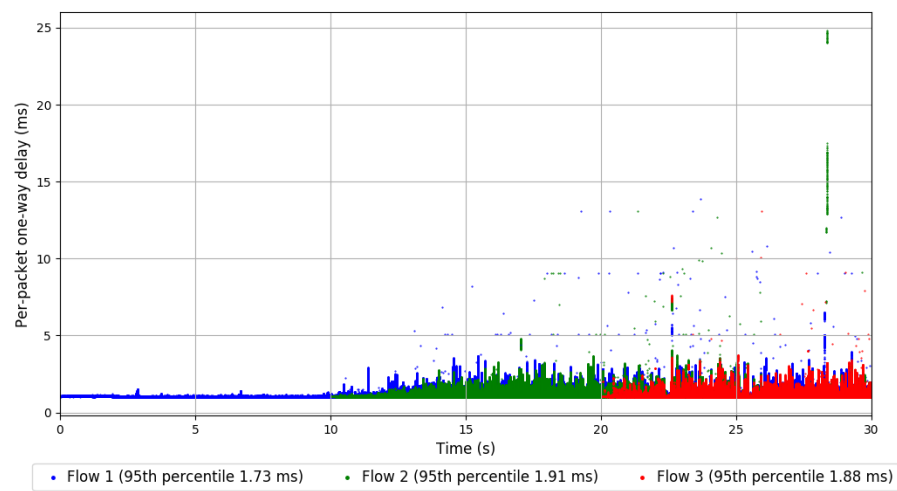
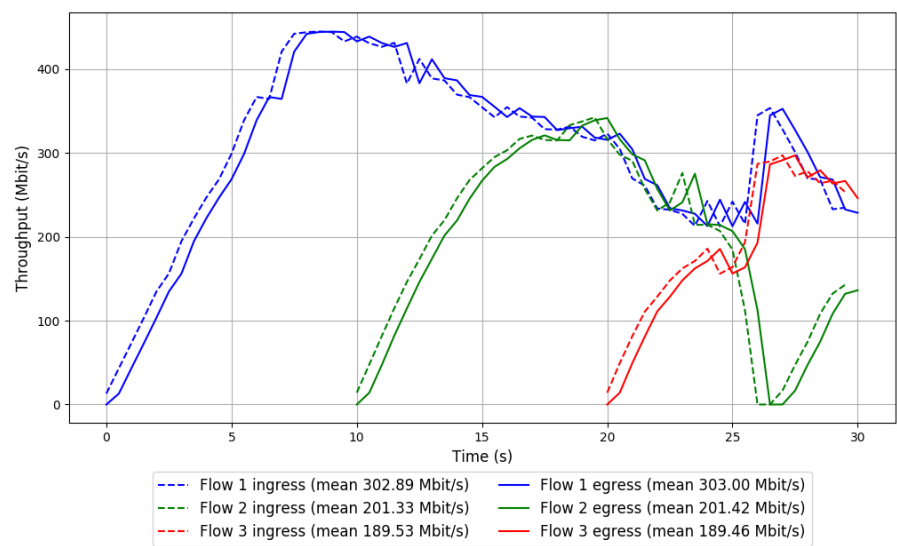
-- Flow 3:

Average throughput: 189.46 Mbit/s

95th percentile per-packet one-way delay: 1.883 ms

Loss rate: 0.22%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-30 17:33:21

End at: 2018-06-30 17:33:51

Local clock offset: 0.462 ms

Remote clock offset: 3.386 ms

Below is generated by plot.py at 2018-06-30 19:54:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 489.74 Mbit/s

95th percentile per-packet one-way delay: 1.881 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 290.39 Mbit/s

95th percentile per-packet one-way delay: 1.804 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 226.66 Mbit/s

95th percentile per-packet one-way delay: 2.002 ms

Loss rate: 0.08%

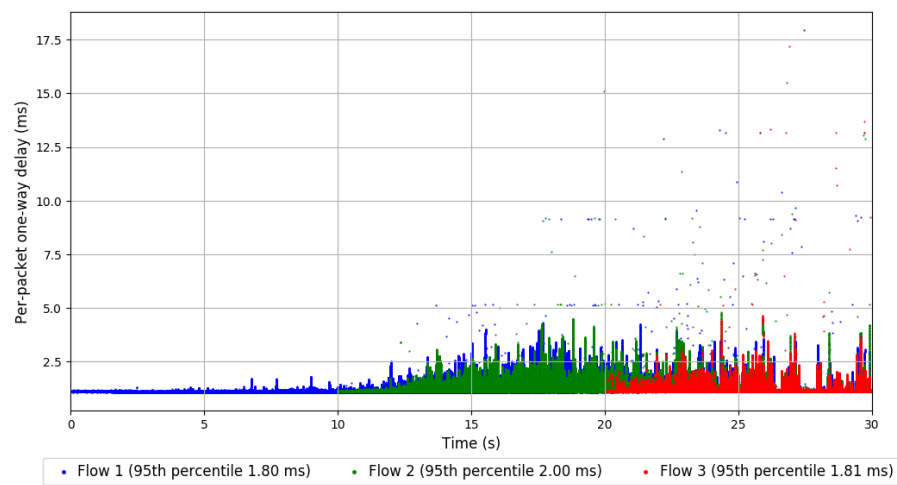
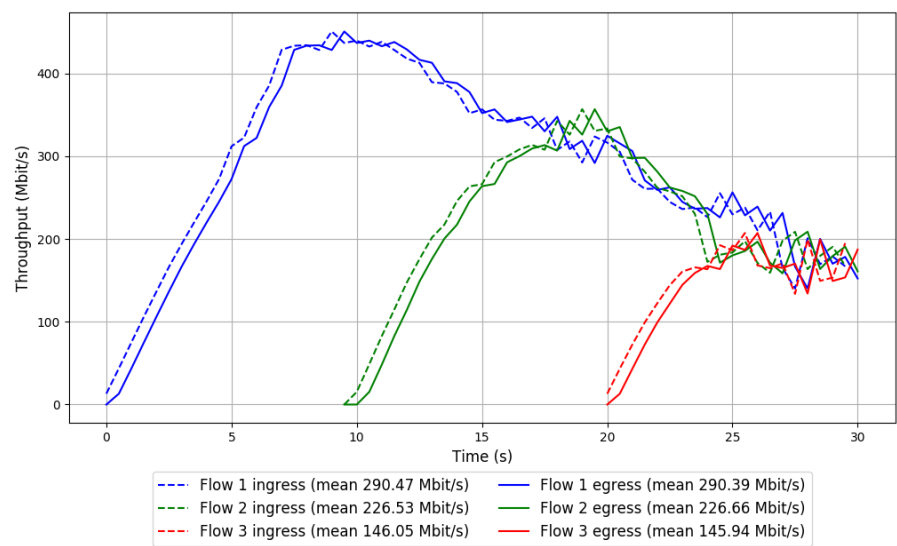
-- Flow 3:

Average throughput: 145.94 Mbit/s

95th percentile per-packet one-way delay: 1.810 ms

Loss rate: 0.27%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-30 17:59:50

End at: 2018-06-30 18:00:20

Local clock offset: 3.096 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-06-30 19:56:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.41 Mbit/s

95th percentile per-packet one-way delay: 1.405 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 293.49 Mbit/s

95th percentile per-packet one-way delay: 1.331 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 222.35 Mbit/s

95th percentile per-packet one-way delay: 1.575 ms

Loss rate: 0.11%

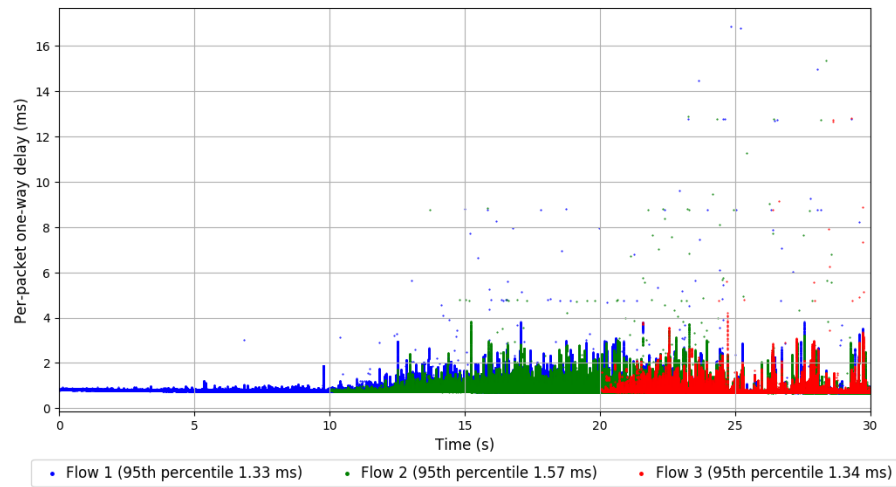
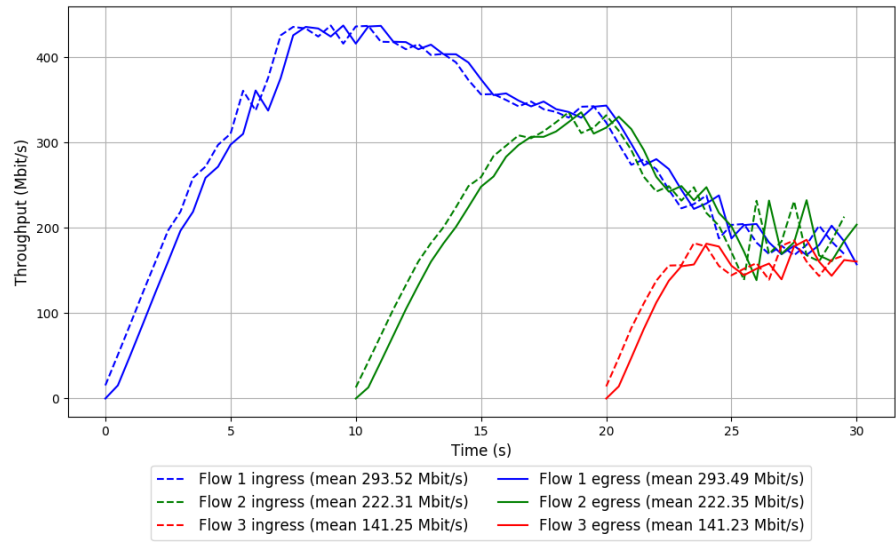
-- Flow 3:

Average throughput: 141.23 Mbit/s

95th percentile per-packet one-way delay: 1.343 ms

Loss rate: 0.27%

Run 9: Report of LEDBAT — Data Link

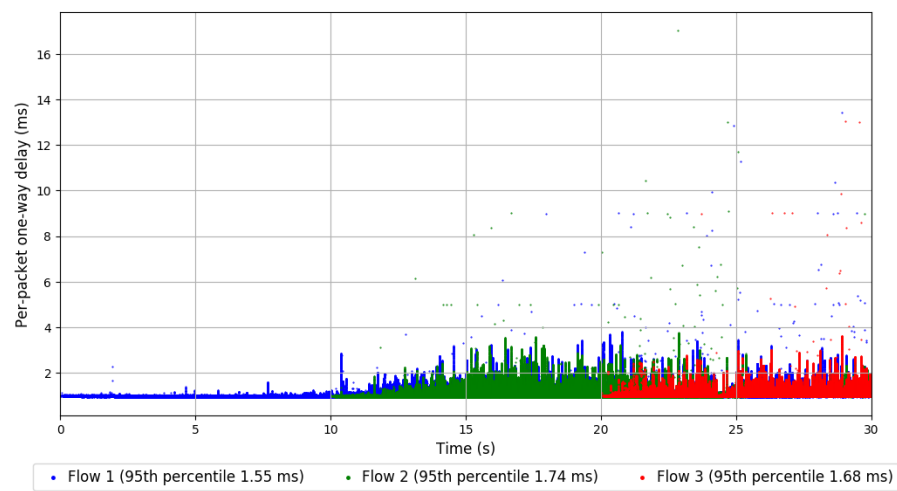
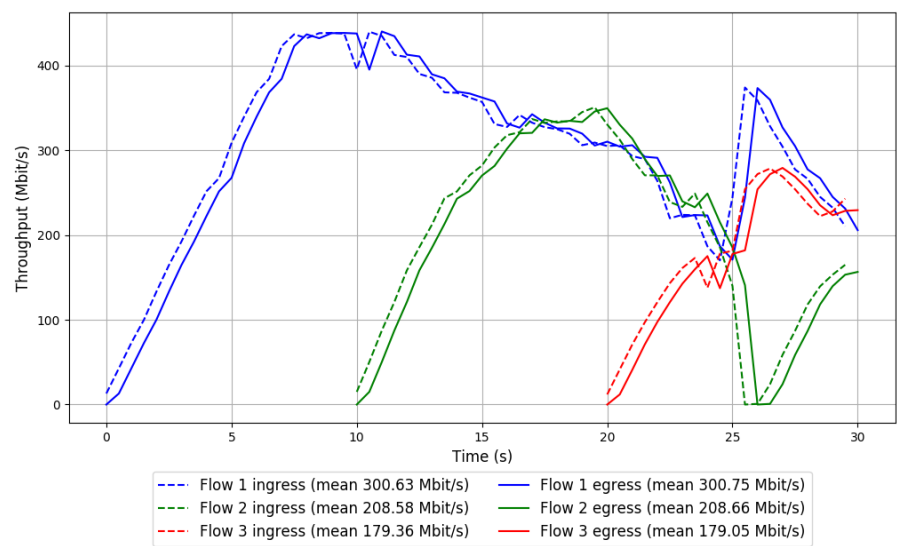


Run 10: Statistics of LEDBAT

Start at: 2018-06-30 18:26:24
End at: 2018-06-30 18:26:54
Local clock offset: 3.559 ms
Remote clock offset: -0.875 ms

Below is generated by plot.py at 2018-06-30 19:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 499.03 Mbit/s
95th percentile per-packet one-way delay: 1.624 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 300.75 Mbit/s
95th percentile per-packet one-way delay: 1.548 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 208.66 Mbit/s
95th percentile per-packet one-way delay: 1.741 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 179.05 Mbit/s
95th percentile per-packet one-way delay: 1.681 ms
Loss rate: 0.38%

Run 10: Report of LEDBAT — Data Link

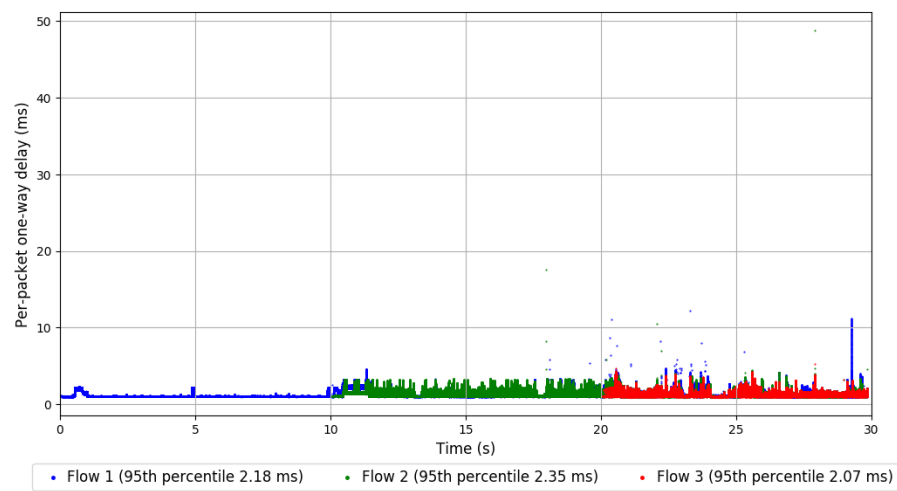
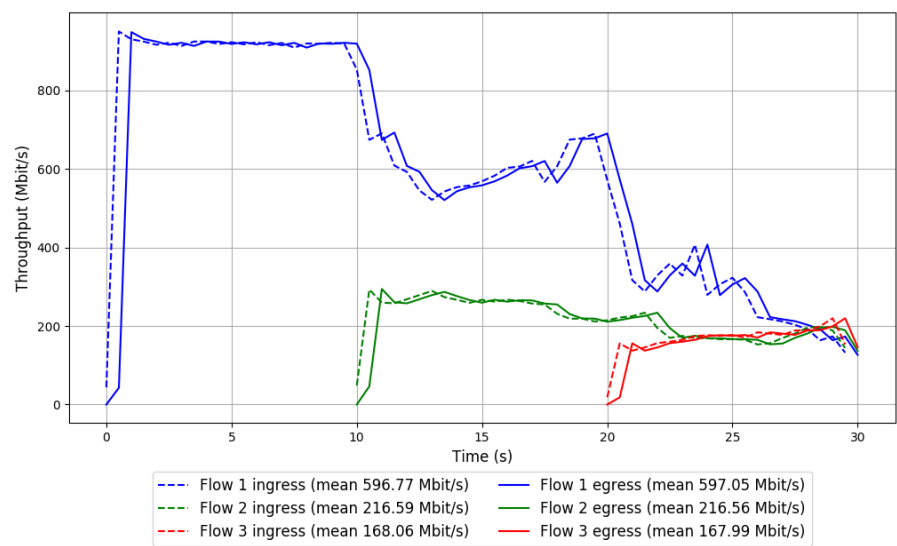


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-30 14:13:13
End at: 2018-06-30 14:13:43
Local clock offset: 3.656 ms
Remote clock offset: 3.027 ms

# Below is generated by plot.py at 2018-06-30 20:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 796.09 Mbit/s
95th percentile per-packet one-way delay: 2.199 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 597.05 Mbit/s
95th percentile per-packet one-way delay: 2.178 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 216.56 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 167.99 Mbit/s
95th percentile per-packet one-way delay: 2.070 ms
Loss rate: 0.24%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-30 14:39:44

End at: 2018-06-30 14:40:14

Local clock offset: 3.209 ms

Remote clock offset: 2.809 ms

Below is generated by plot.py at 2018-06-30 20:01:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 771.28 Mbit/s

95th percentile per-packet one-way delay: 3.027 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 509.63 Mbit/s

95th percentile per-packet one-way delay: 3.012 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 379.12 Mbit/s

95th percentile per-packet one-way delay: 3.062 ms

Loss rate: 0.04%

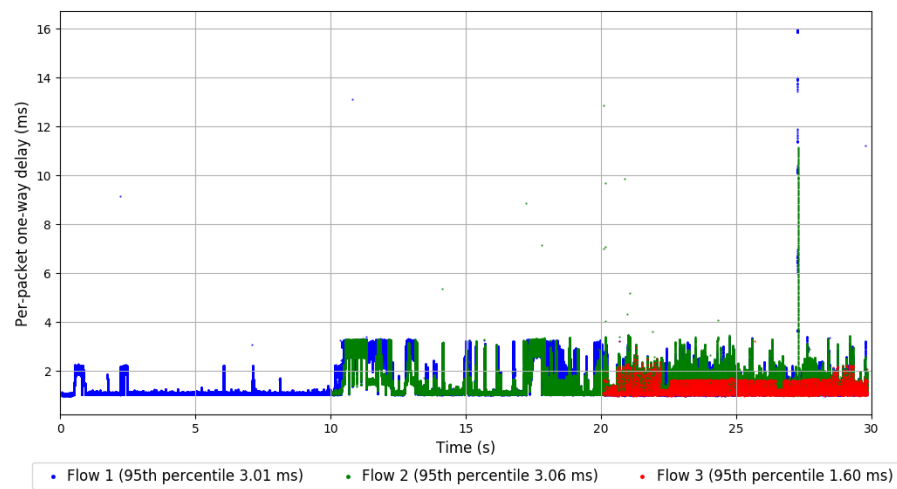
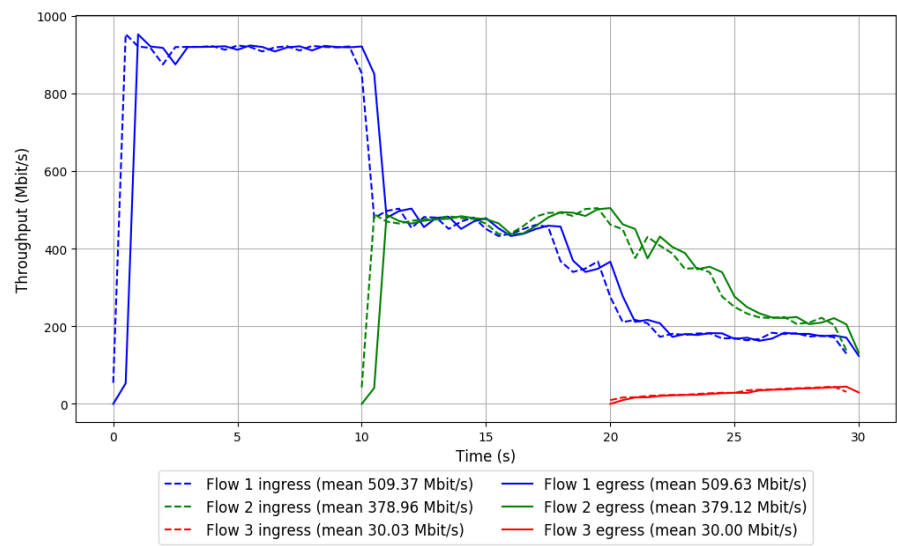
-- Flow 3:

Average throughput: 30.00 Mbit/s

95th percentile per-packet one-way delay: 1.596 ms

Loss rate: 0.29%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-30 15:06:21

End at: 2018-06-30 15:06:51

Local clock offset: -0.107 ms

Remote clock offset: 3.088 ms

Below is generated by plot.py at 2018-06-30 20:02:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 872.31 Mbit/s

95th percentile per-packet one-way delay: 2.968 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 728.62 Mbit/s

95th percentile per-packet one-way delay: 2.396 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 93.08 Mbit/s

95th percentile per-packet one-way delay: 2.252 ms

Loss rate: 0.08%

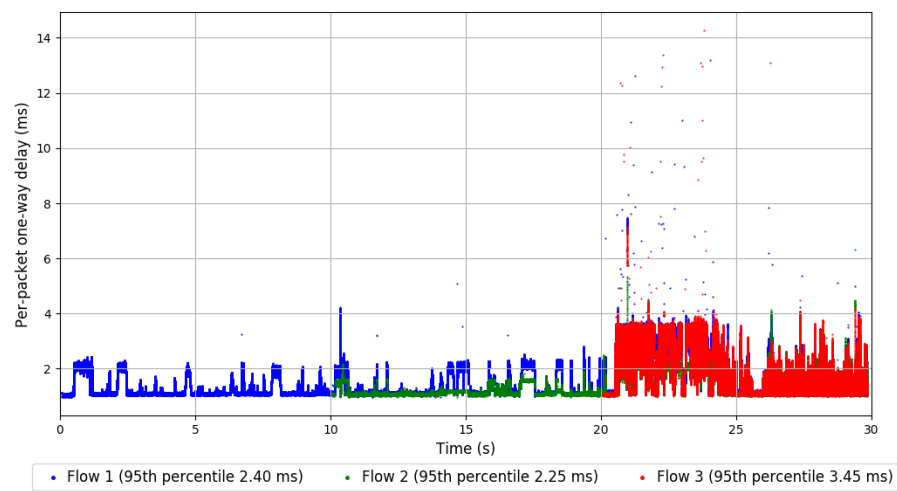
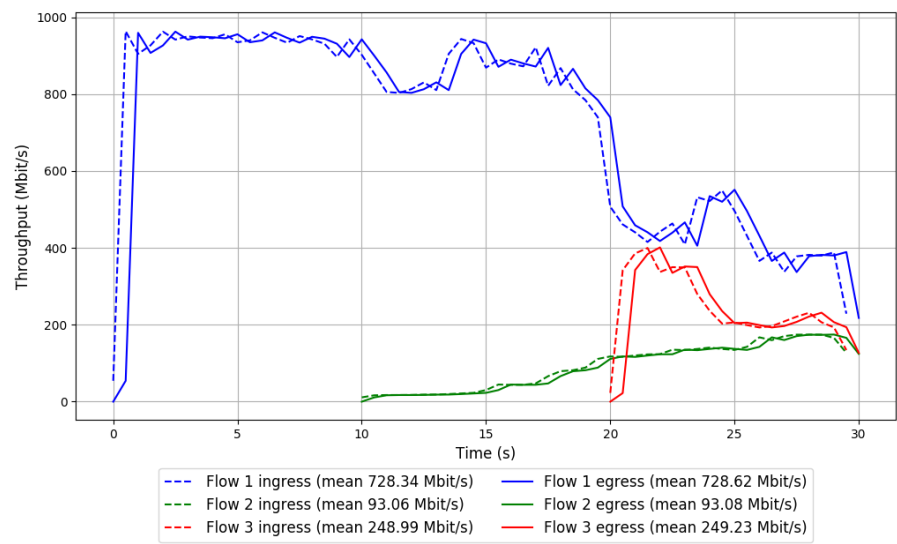
-- Flow 3:

Average throughput: 249.23 Mbit/s

95th percentile per-packet one-way delay: 3.449 ms

Loss rate: 0.15%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-30 15:32:57

End at: 2018-06-30 15:33:27

Local clock offset: 3.206 ms

Remote clock offset: 1.921 ms

Below is generated by plot.py at 2018-06-30 20:02:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 765.61 Mbit/s

95th percentile per-packet one-way delay: 2.929 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 533.48 Mbit/s

95th percentile per-packet one-way delay: 2.898 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 329.00 Mbit/s

95th percentile per-packet one-way delay: 2.959 ms

Loss rate: 0.03%

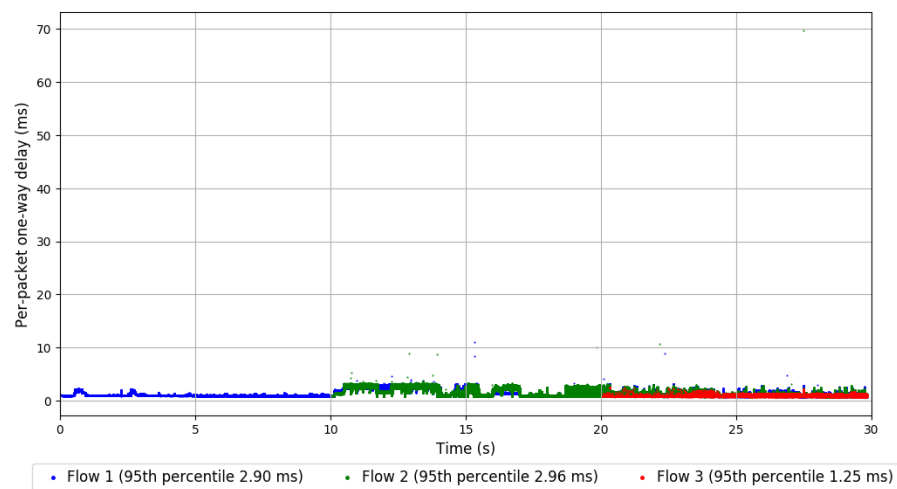
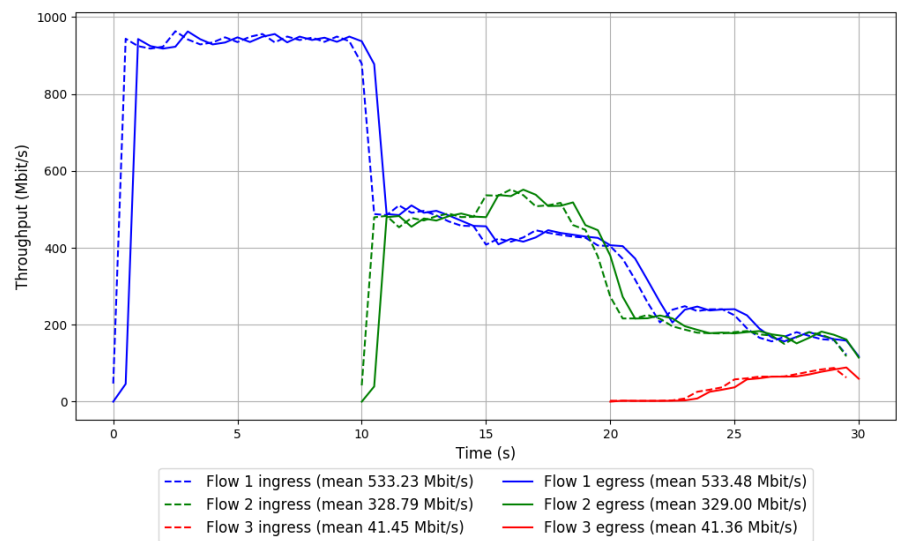
-- Flow 3:

Average throughput: 41.36 Mbit/s

95th percentile per-packet one-way delay: 1.249 ms

Loss rate: 0.40%

Run 4: Report of PCC-Allegro — Data Link

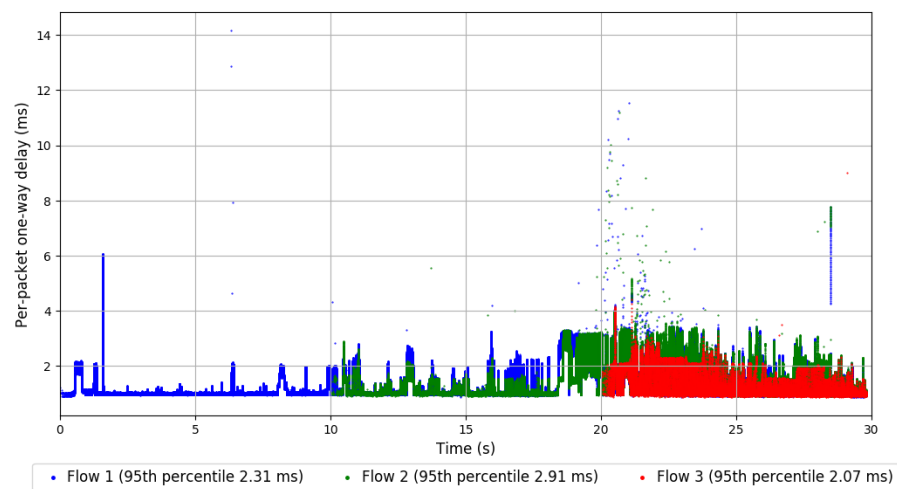
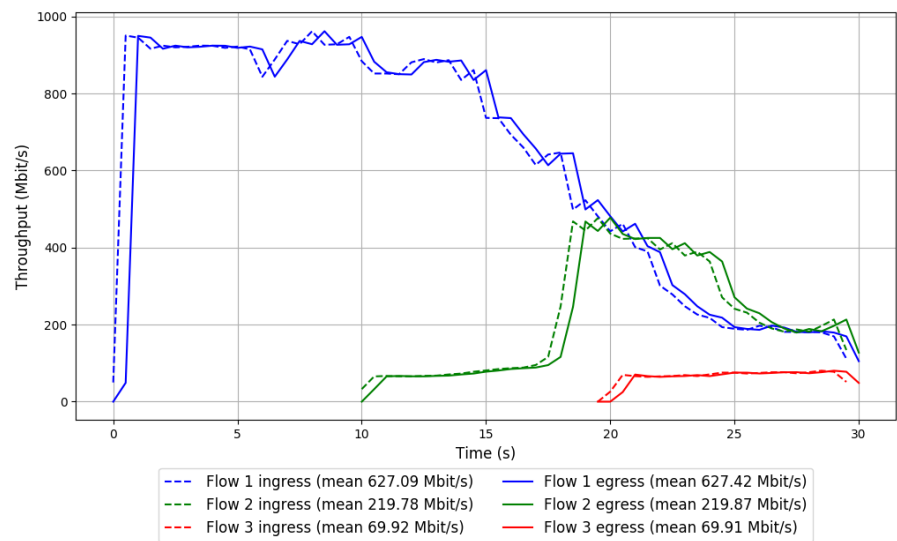


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-30 15:59:28
End at: 2018-06-30 15:59:58
Local clock offset: 3.271 ms
Remote clock offset: -0.838 ms

Below is generated by plot.py at 2018-06-30 20:02:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 796.51 Mbit/s
95th percentile per-packet one-way delay: 2.570 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 627.42 Mbit/s
95th percentile per-packet one-way delay: 2.307 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 219.87 Mbit/s
95th percentile per-packet one-way delay: 2.911 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 2.072 ms
Loss rate: 0.21%

Run 5: Report of PCC-Allegro — Data Link

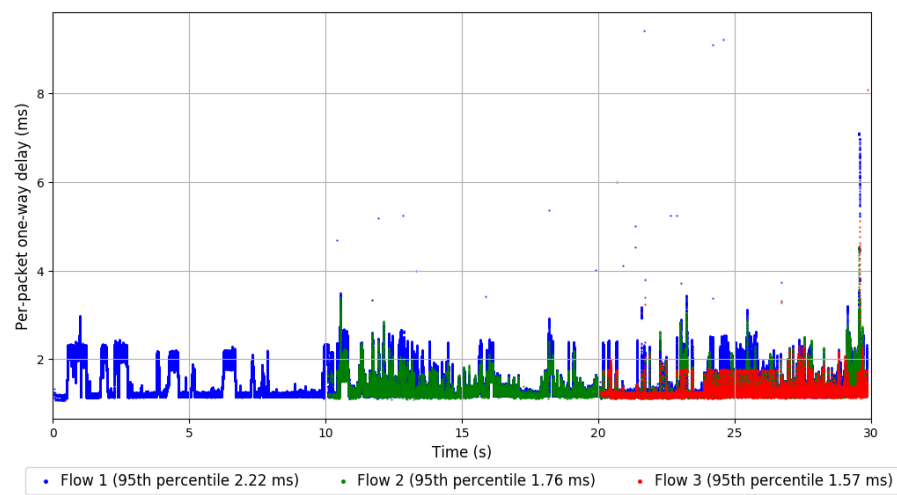
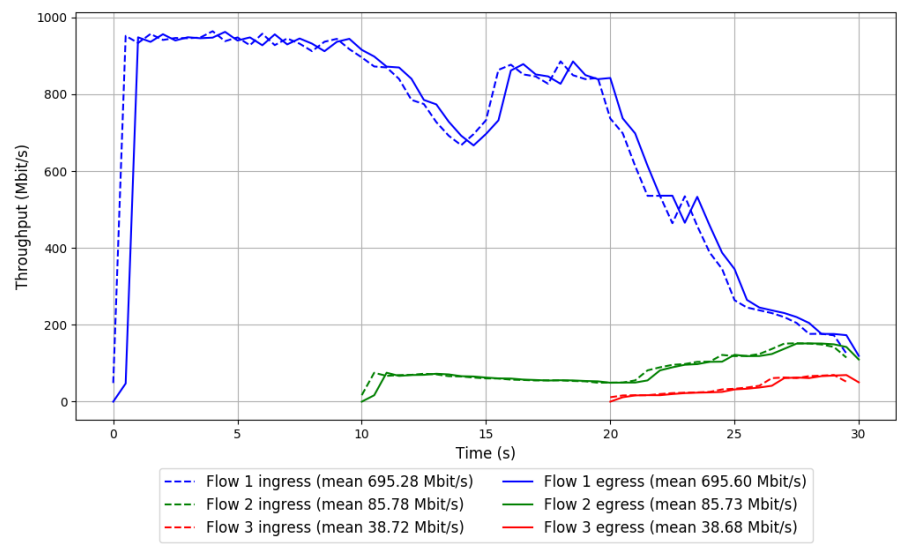


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-30 16:25:57
End at: 2018-06-30 16:26:27
Local clock offset: 0.95 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-06-30 20:02:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 765.02 Mbit/s
95th percentile per-packet one-way delay: 2.208 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 695.60 Mbit/s
95th percentile per-packet one-way delay: 2.217 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 1.761 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 1.568 ms
Loss rate: 0.23%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-30 16:52:27

End at: 2018-06-30 16:52:57

Local clock offset: 1.527 ms

Remote clock offset: 2.934 ms

Below is generated by plot.py at 2018-06-30 20:06:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 844.41 Mbit/s

95th percentile per-packet one-way delay: 2.878 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 549.60 Mbit/s

95th percentile per-packet one-way delay: 2.783 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 358.66 Mbit/s

95th percentile per-packet one-way delay: 2.952 ms

Loss rate: 0.05%

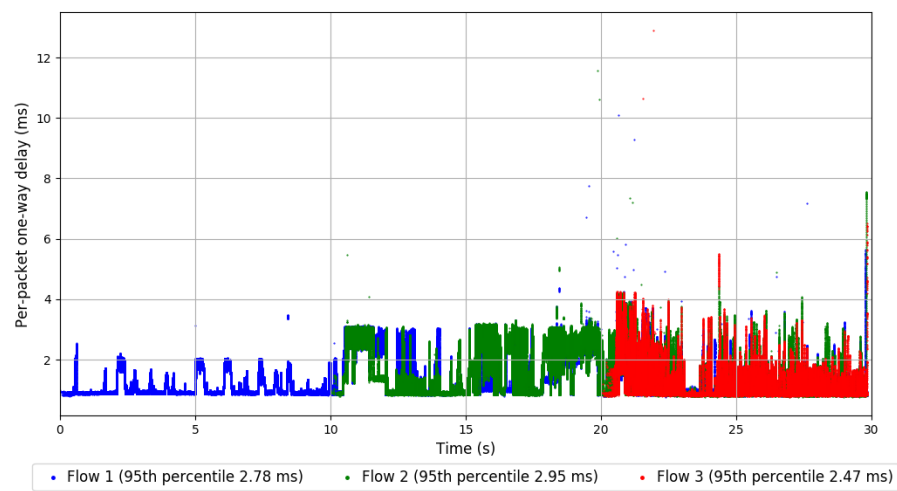
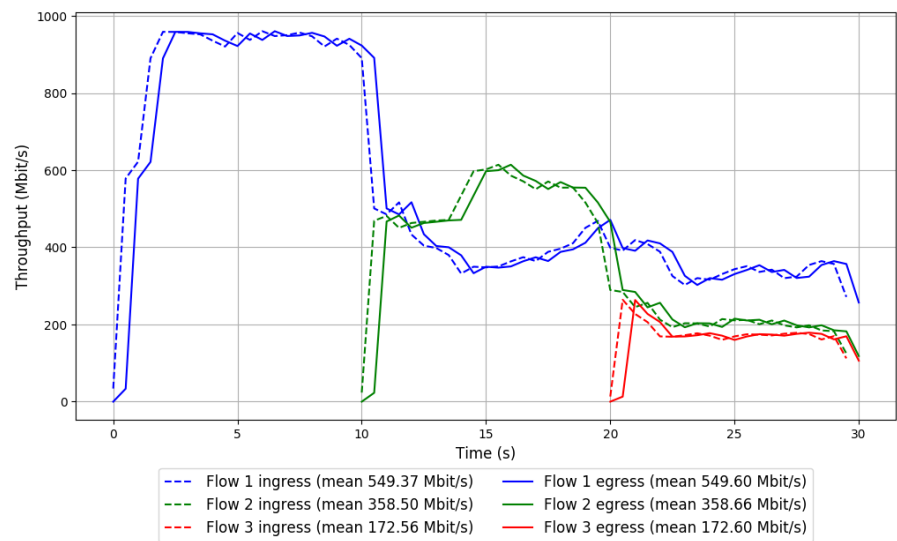
-- Flow 3:

Average throughput: 172.60 Mbit/s

95th percentile per-packet one-way delay: 2.468 ms

Loss rate: 0.18%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-30 17:19:09

End at: 2018-06-30 17:19:39

Local clock offset: 2.238 ms

Remote clock offset: 3.594 ms

Below is generated by plot.py at 2018-06-30 20:06:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 842.26 Mbit/s

95th percentile per-packet one-way delay: 3.130 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 649.52 Mbit/s

95th percentile per-packet one-way delay: 3.090 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 286.02 Mbit/s

95th percentile per-packet one-way delay: 3.177 ms

Loss rate: 0.06%

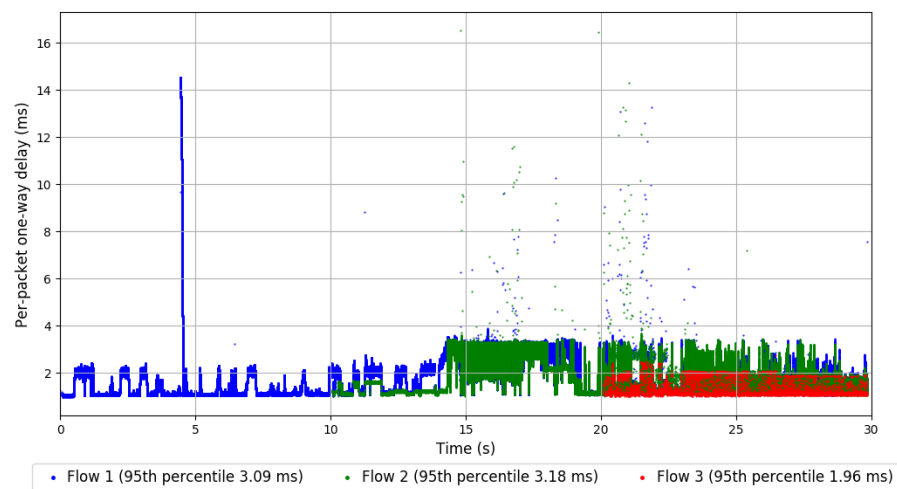
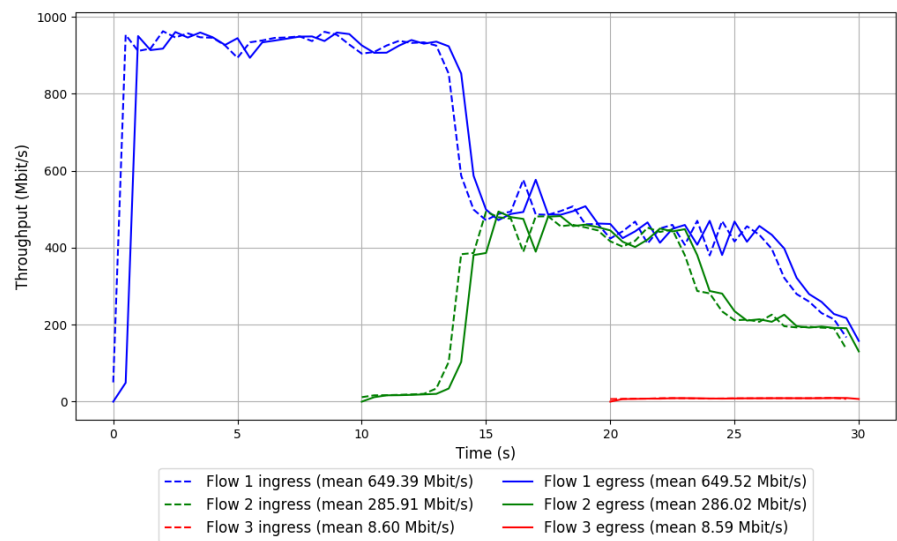
-- Flow 3:

Average throughput: 8.59 Mbit/s

95th percentile per-packet one-way delay: 1.956 ms

Loss rate: 0.24%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 17:45:47

End at: 2018-06-30 17:46:17

Local clock offset: 0.17 ms

Remote clock offset: 3.378 ms

Below is generated by plot.py at 2018-06-30 20:10:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 835.48 Mbit/s

95th percentile per-packet one-way delay: 2.510 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 551.91 Mbit/s

95th percentile per-packet one-way delay: 2.479 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 336.66 Mbit/s

95th percentile per-packet one-way delay: 2.577 ms

Loss rate: 0.06%

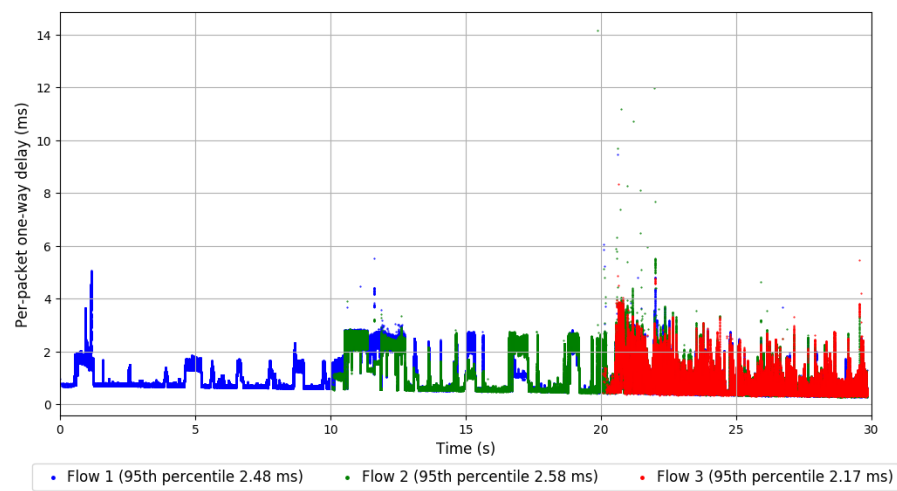
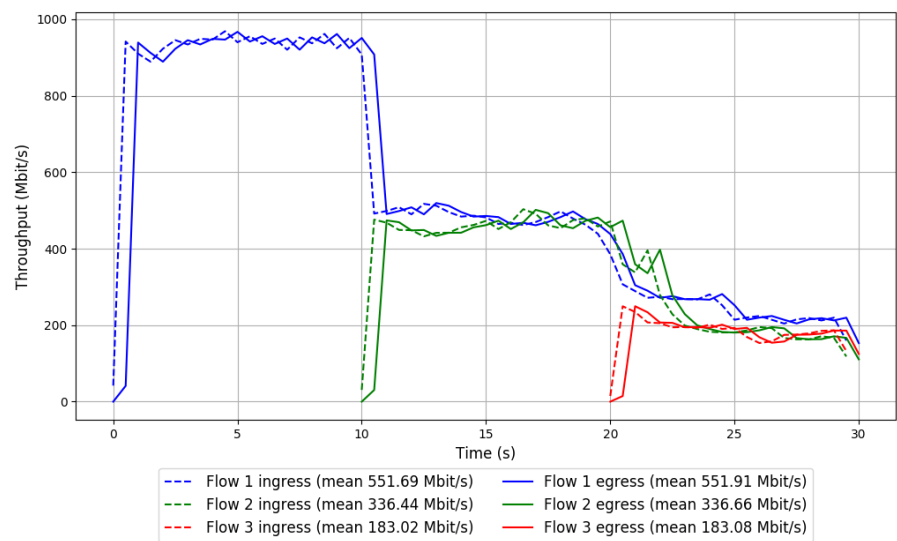
-- Flow 3:

Average throughput: 183.08 Mbit/s

95th percentile per-packet one-way delay: 2.170 ms

Loss rate: 0.22%

Run 9: Report of PCC-Allegro — Data Link

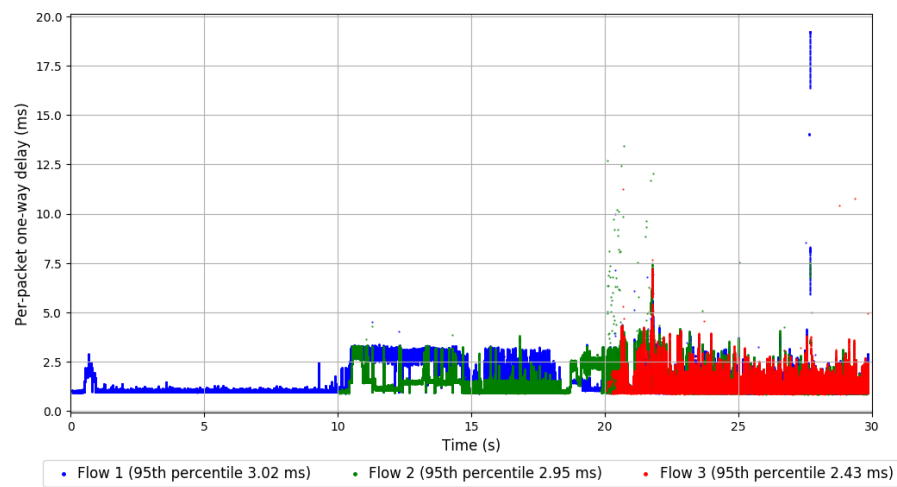
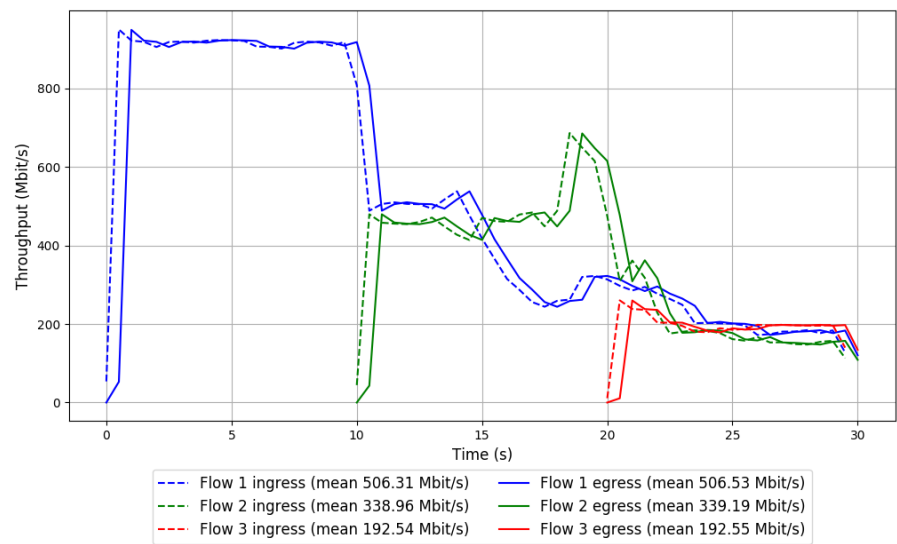


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 18:12:10
End at: 2018-06-30 18:12:40
Local clock offset: 4.006 ms
Remote clock offset: -0.878 ms

Below is generated by plot.py at 2018-06-30 20:10:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 795.17 Mbit/s
95th percentile per-packet one-way delay: 2.999 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 506.53 Mbit/s
95th percentile per-packet one-way delay: 3.020 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 339.19 Mbit/s
95th percentile per-packet one-way delay: 2.947 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 192.55 Mbit/s
95th percentile per-packet one-way delay: 2.434 ms
Loss rate: 0.16%

Run 10: Report of PCC-Allegro — Data Link

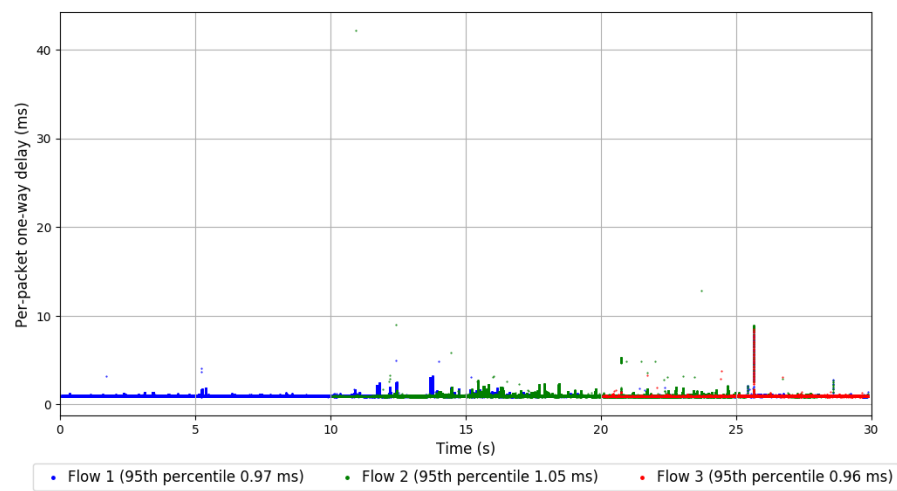
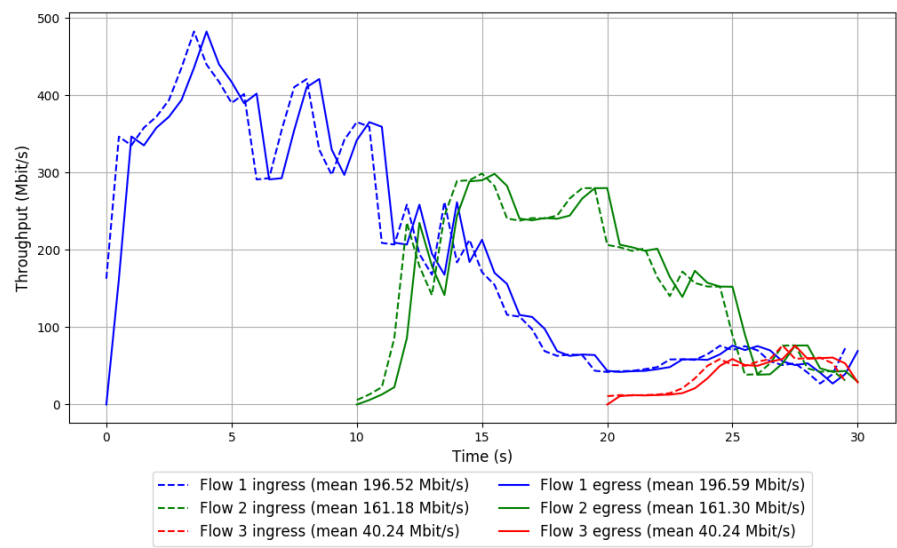


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-30 14:35:29
End at: 2018-06-30 14:35:59
Local clock offset: 3.104 ms
Remote clock offset: 2.818 ms

# Below is generated by plot.py at 2018-06-30 20:10:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 317.03 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 196.59 Mbit/s
95th percentile per-packet one-way delay: 0.970 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 161.30 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 40.24 Mbit/s
95th percentile per-packet one-way delay: 0.957 ms
Loss rate: 0.18%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-30 15:02:06

End at: 2018-06-30 15:02:36

Local clock offset: 0.187 ms

Remote clock offset: 3.111 ms

Below is generated by plot.py at 2018-06-30 20:10:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 320.86 Mbit/s

95th percentile per-packet one-way delay: 1.084 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 204.86 Mbit/s

95th percentile per-packet one-way delay: 1.063 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 147.64 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 0.06%

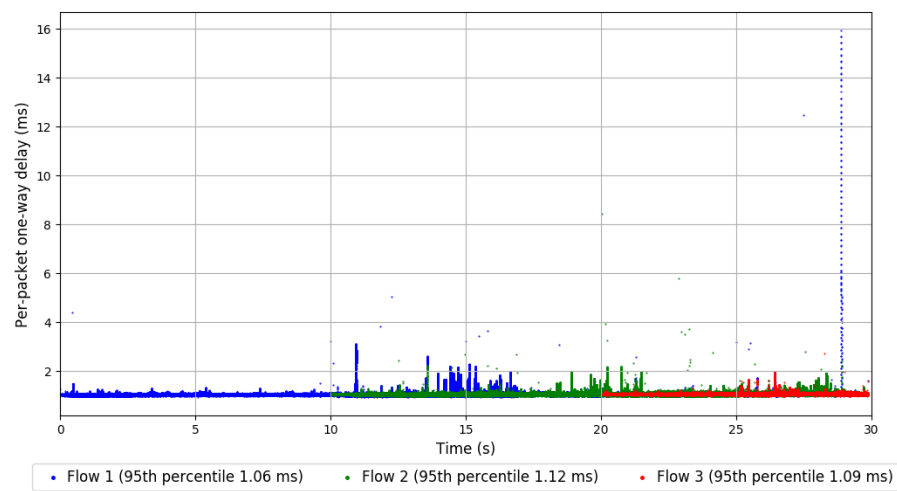
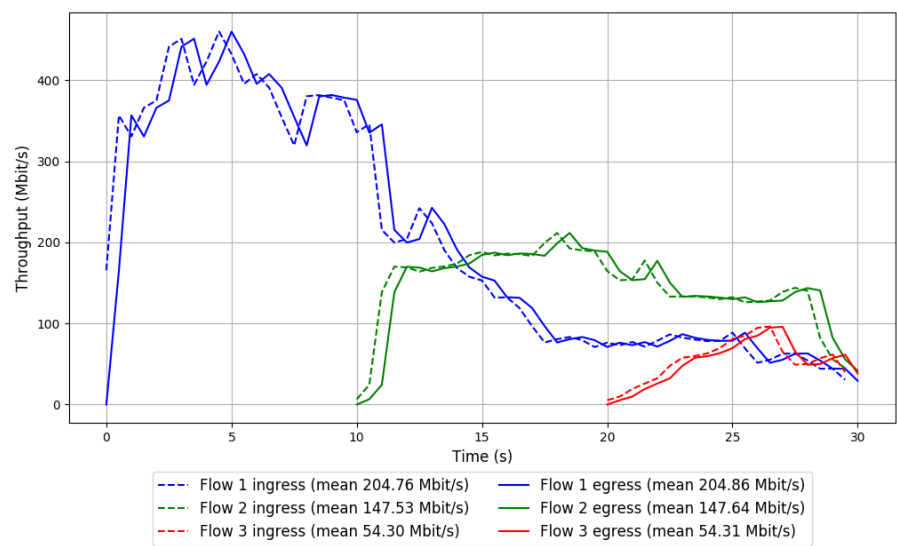
-- Flow 3:

Average throughput: 54.31 Mbit/s

95th percentile per-packet one-way delay: 1.093 ms

Loss rate: 0.17%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-30 15:28:43

End at: 2018-06-30 15:29:13

Local clock offset: 2.721 ms

Remote clock offset: 3.424 ms

Below is generated by plot.py at 2018-06-30 20:10:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.52 Mbit/s

95th percentile per-packet one-way delay: 0.818 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 213.73 Mbit/s

95th percentile per-packet one-way delay: 0.823 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 120.41 Mbit/s

95th percentile per-packet one-way delay: 0.746 ms

Loss rate: 0.07%

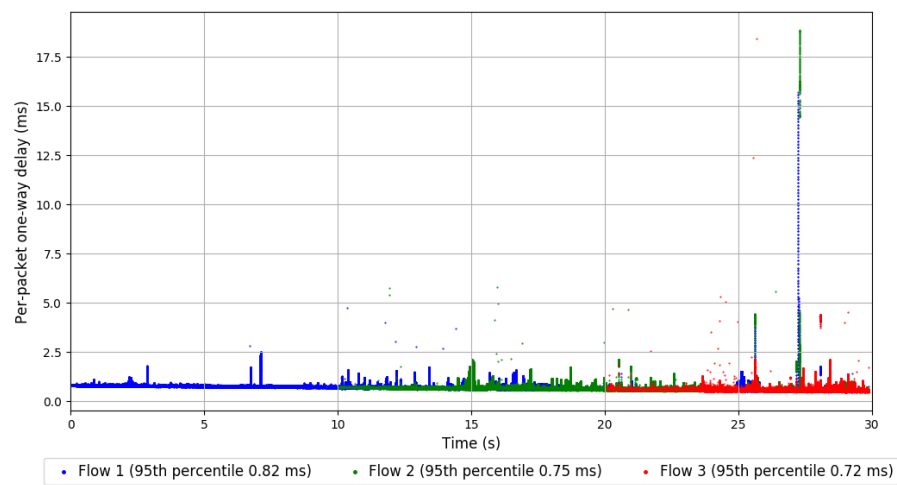
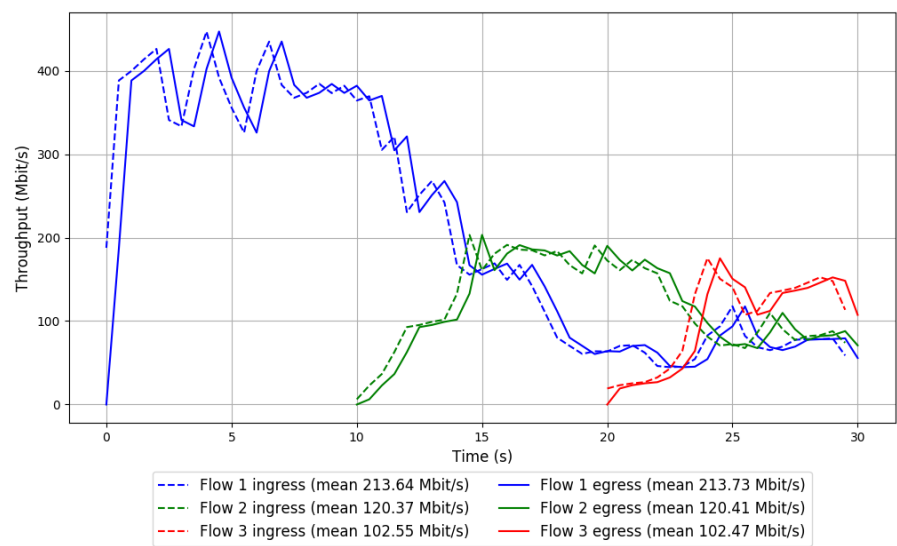
-- Flow 3:

Average throughput: 102.47 Mbit/s

95th percentile per-packet one-way delay: 0.720 ms

Loss rate: 0.30%

Run 3: Report of PCC-Expr — Data Link

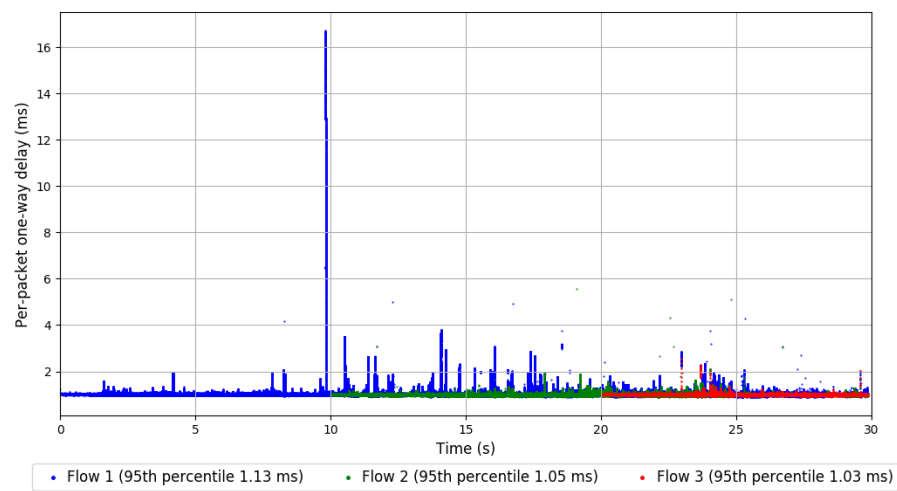
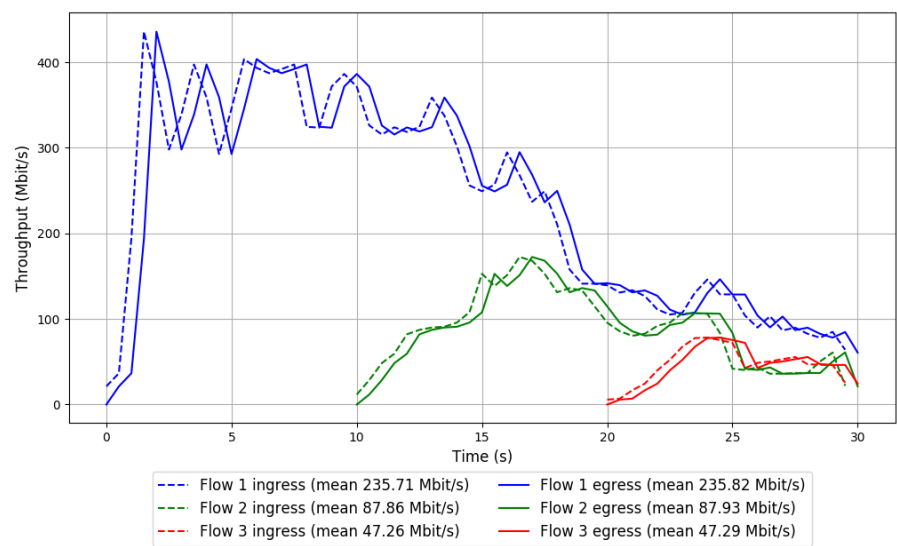


Run 4: Statistics of PCC-Expr

Start at: 2018-06-30 15:55:15
End at: 2018-06-30 15:55:45
Local clock offset: 3.415 ms
Remote clock offset: -0.595 ms

Below is generated by plot.py at 2018-06-30 20:10:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.86 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 235.82 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 87.93 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.13%

Run 4: Report of PCC-Expr — Data Link

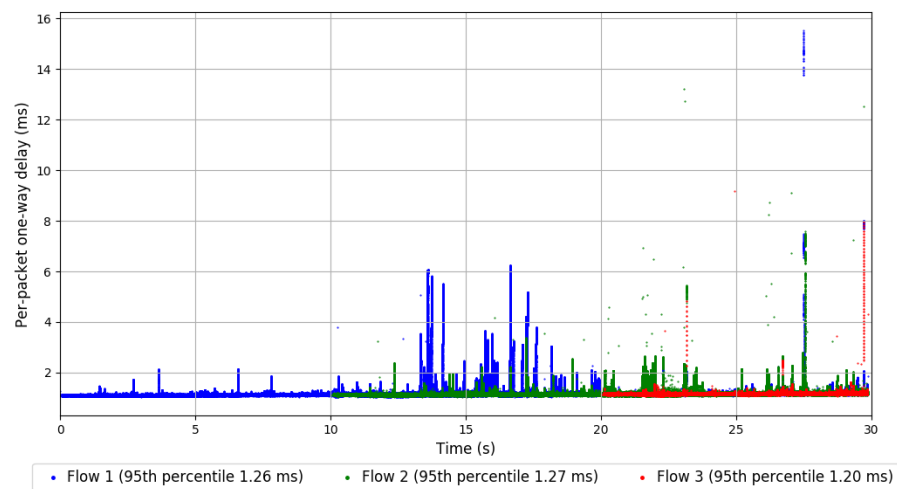
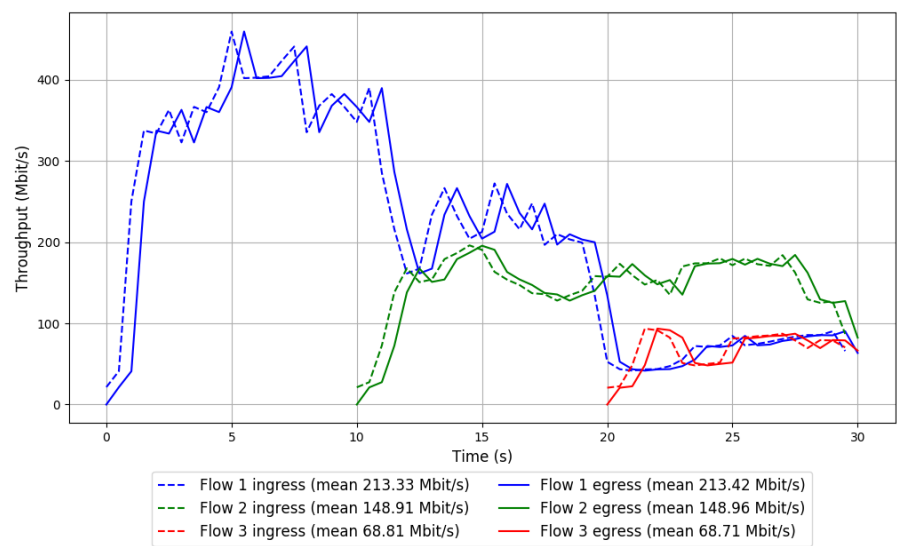


Run 5: Statistics of PCC-Expr

Start at: 2018-06-30 16:21:42
End at: 2018-06-30 16:22:12
Local clock offset: 1.553 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2018-06-30 20:13:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.03 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 213.42 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 148.96 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 68.71 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.29%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-30 16:48:14

End at: 2018-06-30 16:48:44

Local clock offset: 0.526 ms

Remote clock offset: 2.434 ms

Below is generated by plot.py at 2018-06-30 20:13:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 306.28 Mbit/s

95th percentile per-packet one-way delay: 0.964 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 231.27 Mbit/s

95th percentile per-packet one-way delay: 0.972 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 82.79 Mbit/s

95th percentile per-packet one-way delay: 0.935 ms

Loss rate: 0.03%

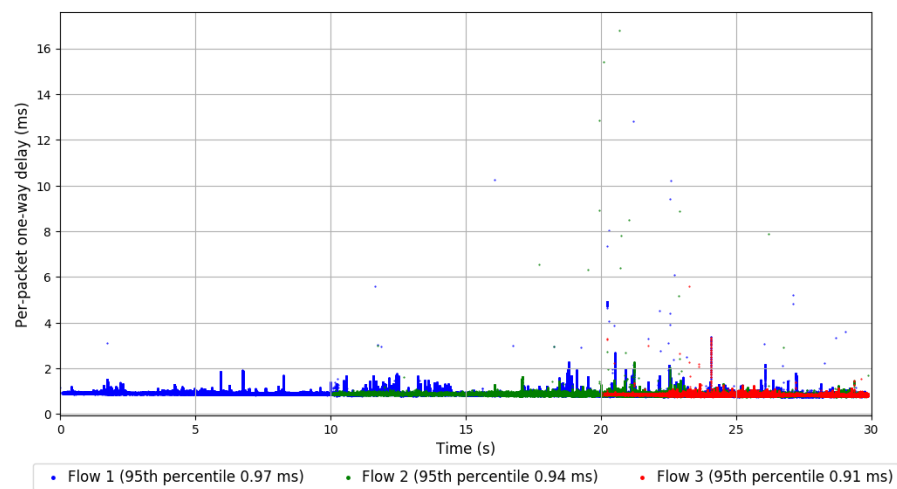
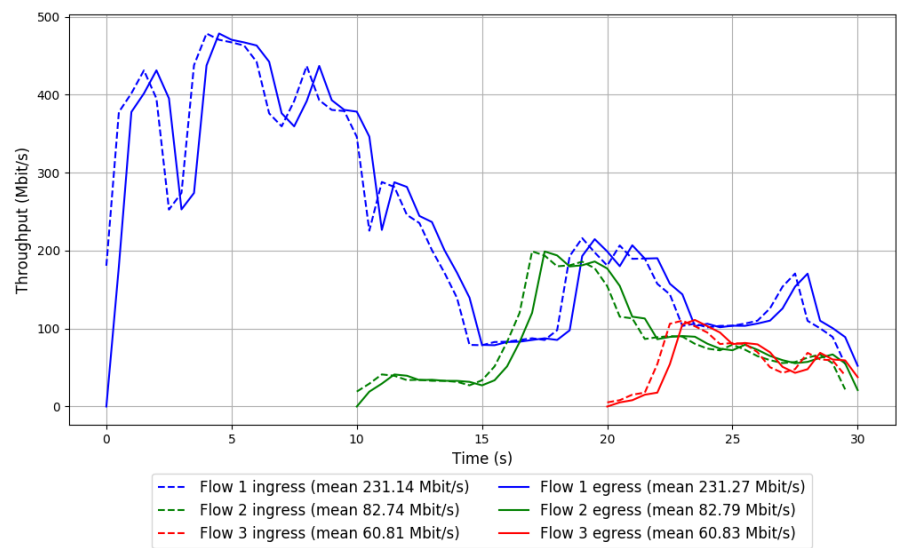
-- Flow 3:

Average throughput: 60.83 Mbit/s

95th percentile per-packet one-way delay: 0.913 ms

Loss rate: 0.19%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-30 17:14:54

End at: 2018-06-30 17:15:24

Local clock offset: 3.38 ms

Remote clock offset: 3.759 ms

Below is generated by plot.py at 2018-06-30 20:15:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 335.64 Mbit/s

95th percentile per-packet one-way delay: 1.224 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 261.42 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 1.320 ms

Loss rate: 0.17%

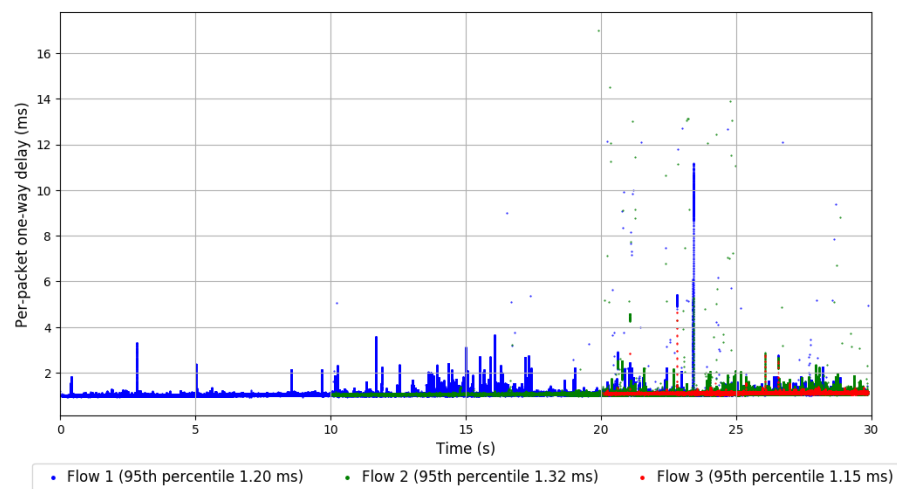
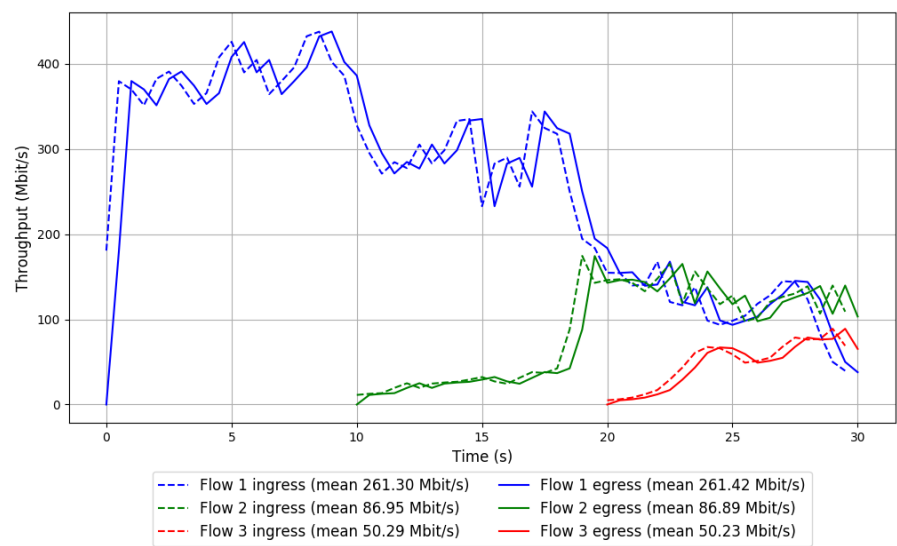
-- Flow 3:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 1.150 ms

Loss rate: 0.40%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 17:41:30

End at: 2018-06-30 17:42:00

Local clock offset: 0.093 ms

Remote clock offset: 3.552 ms

Below is generated by plot.py at 2018-06-30 20:17:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.21 Mbit/s

95th percentile per-packet one-way delay: 1.138 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 254.31 Mbit/s

95th percentile per-packet one-way delay: 1.136 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 142.71 Mbit/s

95th percentile per-packet one-way delay: 1.129 ms

Loss rate: 0.04%

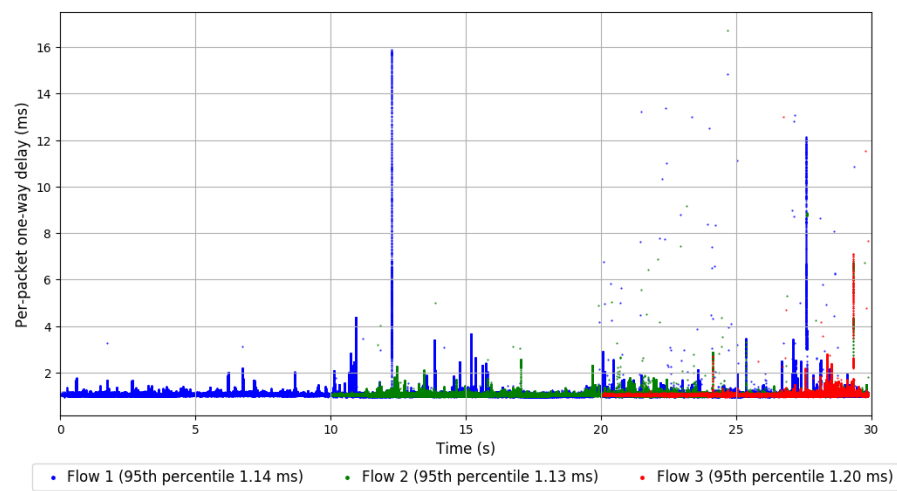
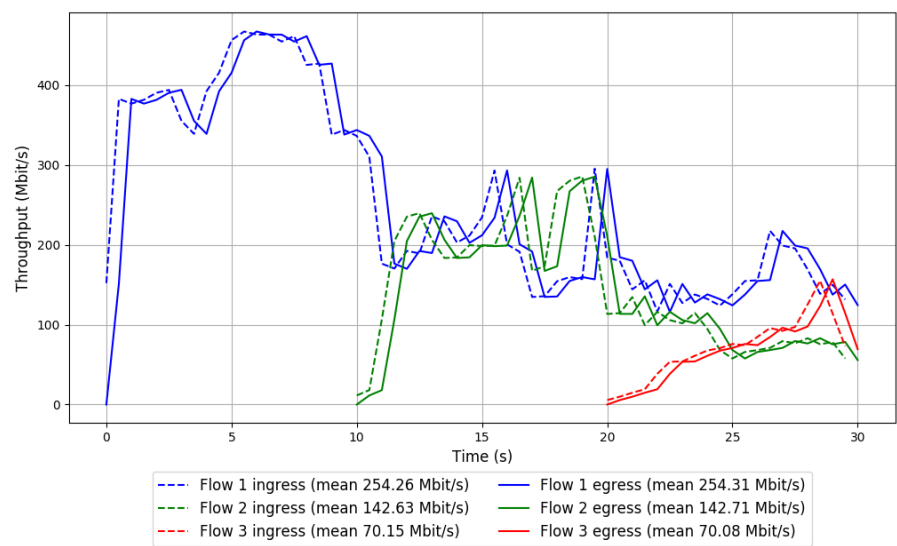
-- Flow 3:

Average throughput: 70.08 Mbit/s

95th percentile per-packet one-way delay: 1.199 ms

Loss rate: 0.25%

Run 8: Report of PCC-Expr — Data Link

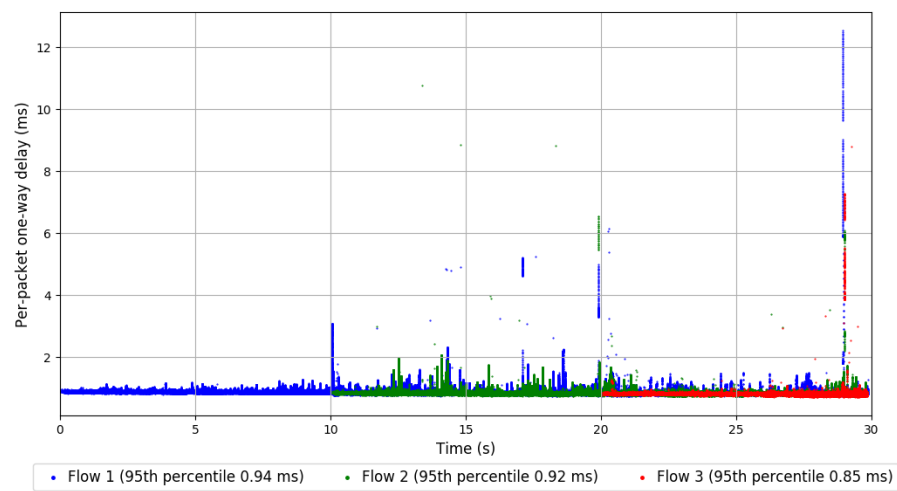
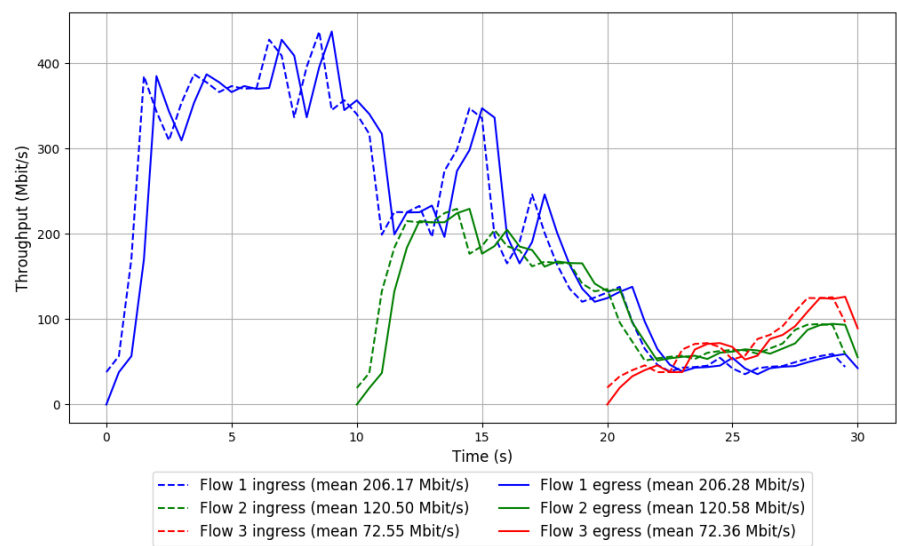


Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 18:07:57
End at: 2018-06-30 18:08:27
Local clock offset: 3.706 ms
Remote clock offset: -0.614 ms

Below is generated by plot.py at 2018-06-30 20:17:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.22 Mbit/s
95th percentile per-packet one-way delay: 0.926 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 206.28 Mbit/s
95th percentile per-packet one-way delay: 0.935 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 120.58 Mbit/s
95th percentile per-packet one-way delay: 0.918 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 72.36 Mbit/s
95th percentile per-packet one-way delay: 0.854 ms
Loss rate: 0.52%

Run 9: Report of PCC-Expr — Data Link

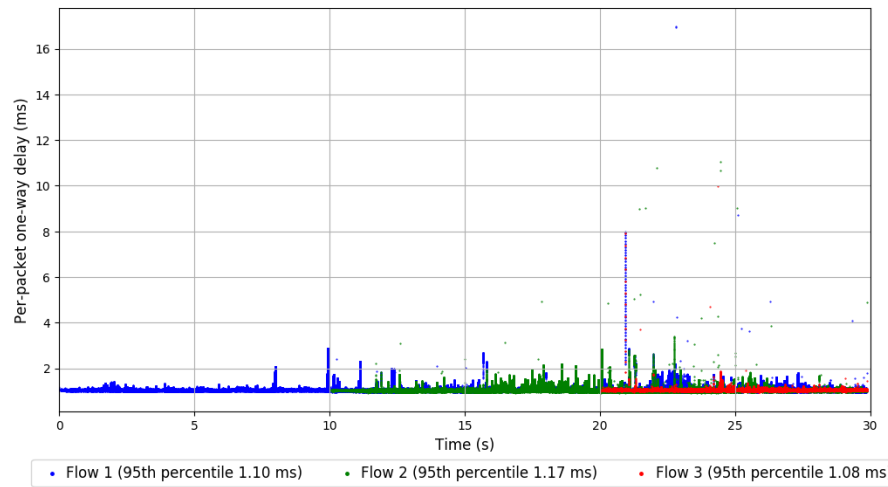
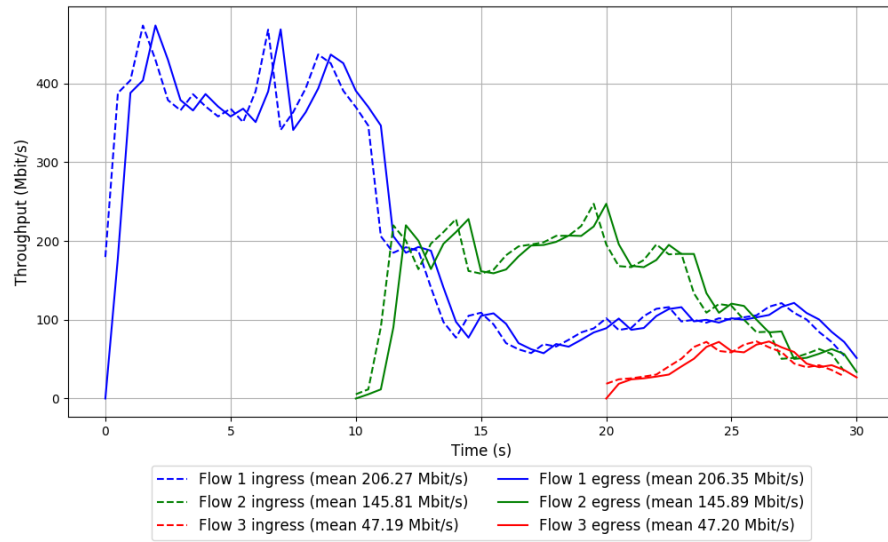


Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 18:34:34
End at: 2018-06-30 18:35:04
Local clock offset: 3.67 ms
Remote clock offset: -0.744 ms

Below is generated by plot.py at 2018-06-30 20:17:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.87 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 206.35 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 145.89 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.16%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-30 14:25:57

End at: 2018-06-30 14:26:27

Local clock offset: 3.21 ms

Remote clock offset: 2.887 ms

Below is generated by plot.py at 2018-06-30 20:17:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.33 Mbit/s

95th percentile per-packet one-way delay: 1.013 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 76.15 Mbit/s

95th percentile per-packet one-way delay: 1.014 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 65.25 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.10%

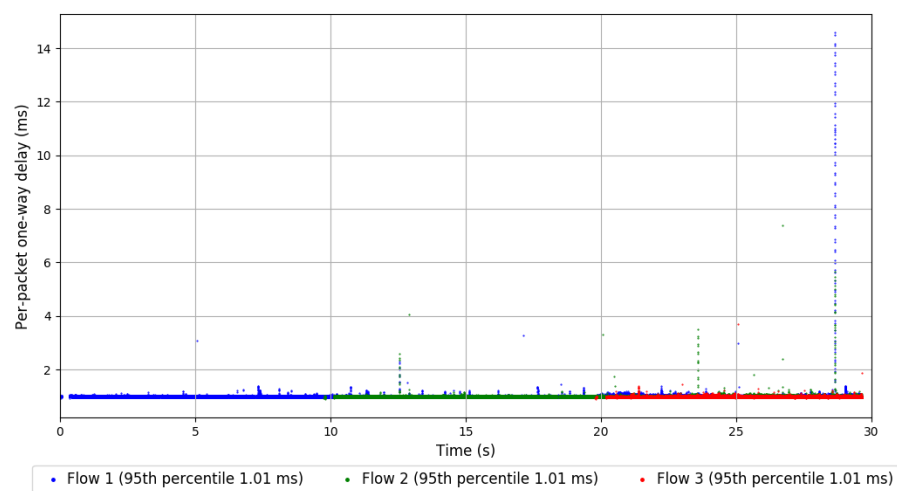
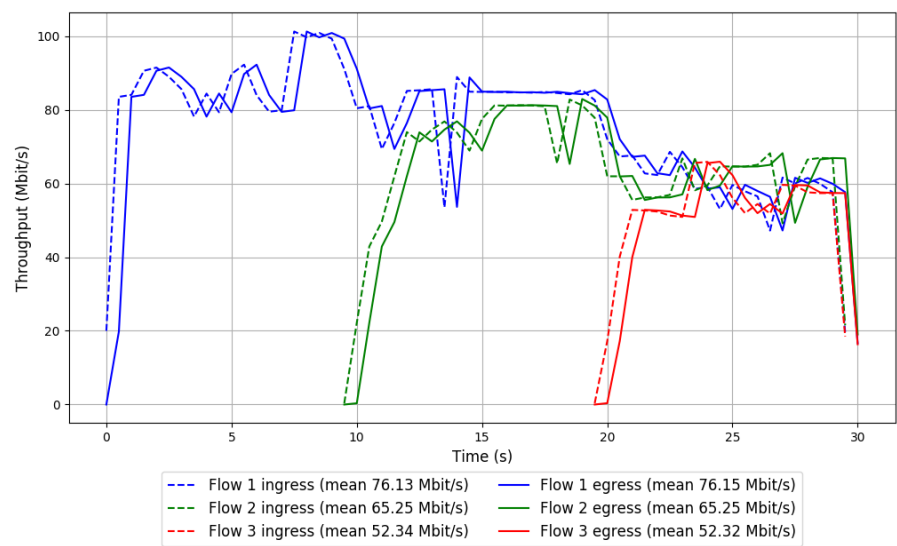
-- Flow 3:

Average throughput: 52.32 Mbit/s

95th percentile per-packet one-way delay: 1.006 ms

Loss rate: 0.21%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-30 14:52:35

End at: 2018-06-30 14:53:05

Local clock offset: 1.21 ms

Remote clock offset: 3.081 ms

Below is generated by plot.py at 2018-06-30 20:17:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.45 Mbit/s

95th percentile per-packet one-way delay: 1.114 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 72.03 Mbit/s

95th percentile per-packet one-way delay: 1.096 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 67.73 Mbit/s

95th percentile per-packet one-way delay: 1.123 ms

Loss rate: 0.12%

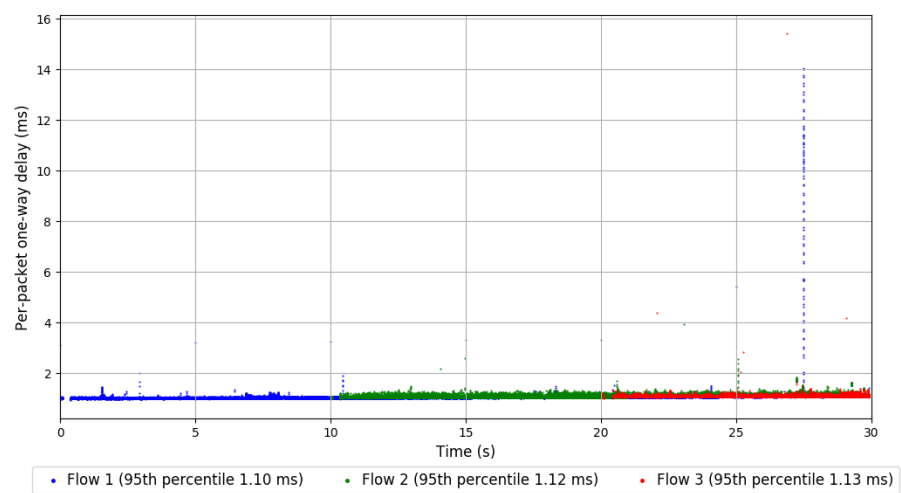
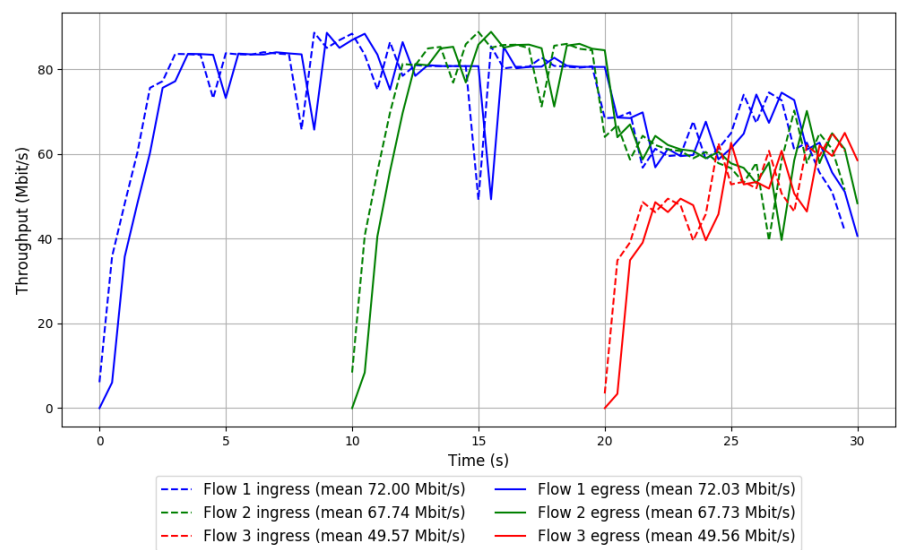
-- Flow 3:

Average throughput: 49.56 Mbit/s

95th percentile per-packet one-way delay: 1.131 ms

Loss rate: 0.24%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-30 15:19:14

End at: 2018-06-30 15:19:44

Local clock offset: 0.936 ms

Remote clock offset: 3.28 ms

Below is generated by plot.py at 2018-06-30 20:17:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.29 Mbit/s

95th percentile per-packet one-way delay: 0.812 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 73.81 Mbit/s

95th percentile per-packet one-way delay: 0.821 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 64.50 Mbit/s

95th percentile per-packet one-way delay: 0.788 ms

Loss rate: 0.09%

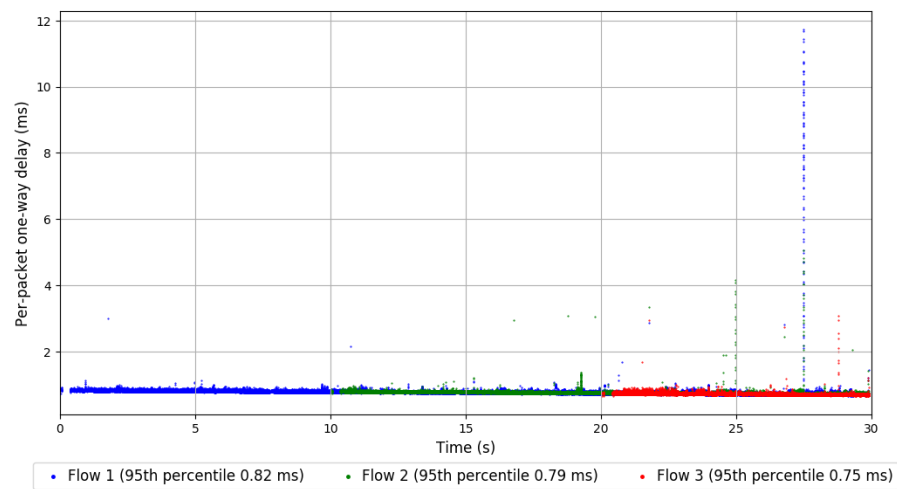
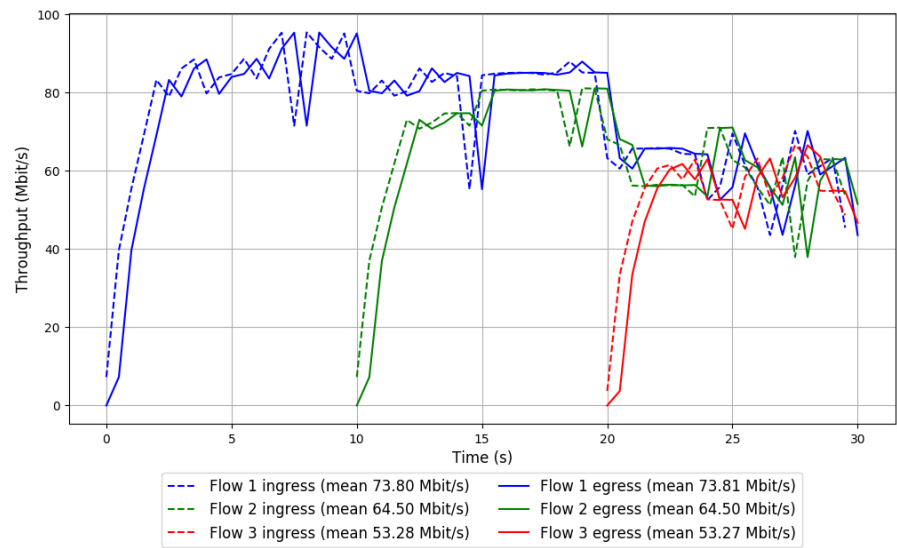
-- Flow 3:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 0.746 ms

Loss rate: 0.19%

Run 3: Report of QUIC Cubic — Data Link

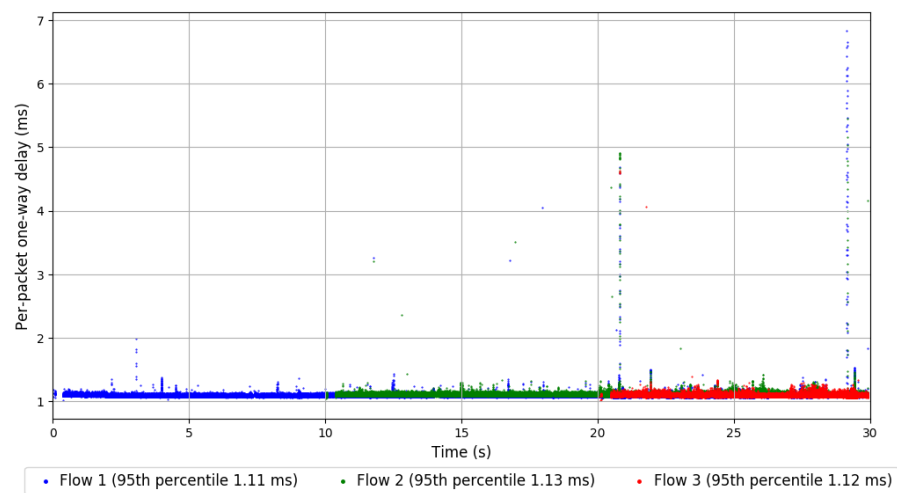
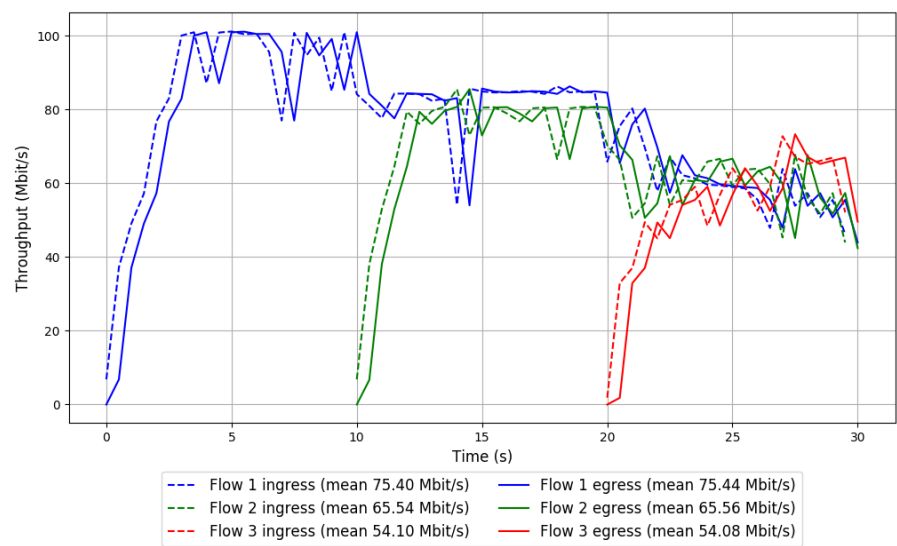


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-30 15:45:46
End at: 2018-06-30 15:46:16
Local clock offset: 3.835 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-06-30 20:17:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.82 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 65.56 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 54.08 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.25%

Run 4: Report of QUIC Cubic — Data Link

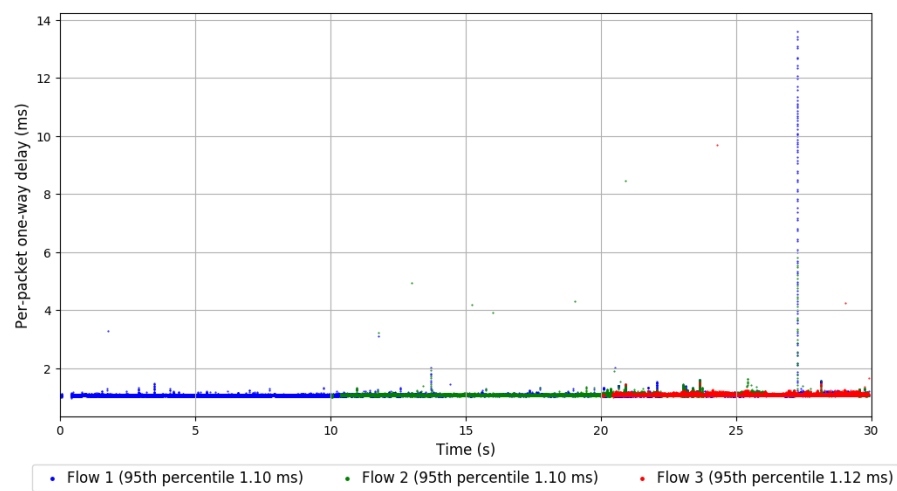
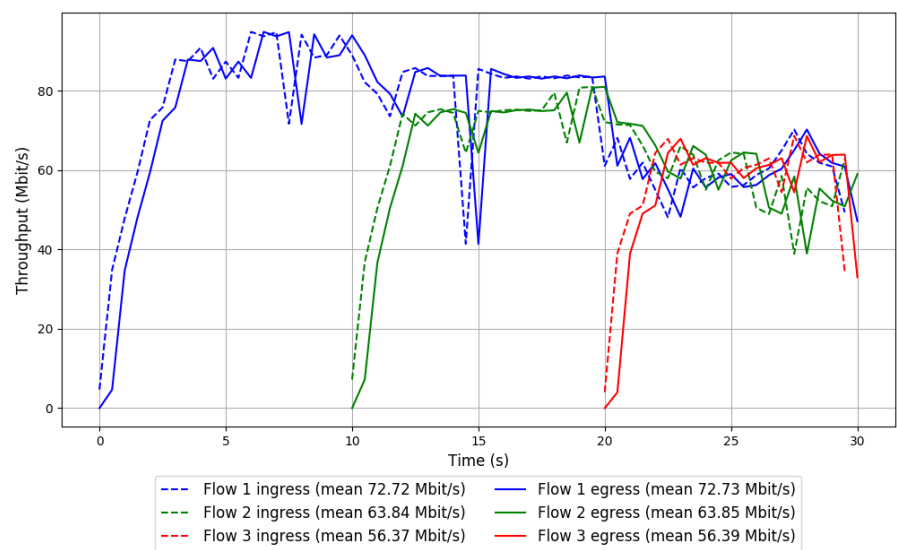


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-30 16:12:14
End at: 2018-06-30 16:12:44
Local clock offset: 3.327 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-06-30 20:17:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.79 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 72.73 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 63.85 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 1.122 ms
Loss rate: 0.14%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-30 16:38:43

End at: 2018-06-30 16:39:13

Local clock offset: -0.2 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2018-06-30 20:17:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.21 Mbit/s

95th percentile per-packet one-way delay: 1.422 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 76.06 Mbit/s

95th percentile per-packet one-way delay: 1.414 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 65.99 Mbit/s

95th percentile per-packet one-way delay: 1.425 ms

Loss rate: 0.10%

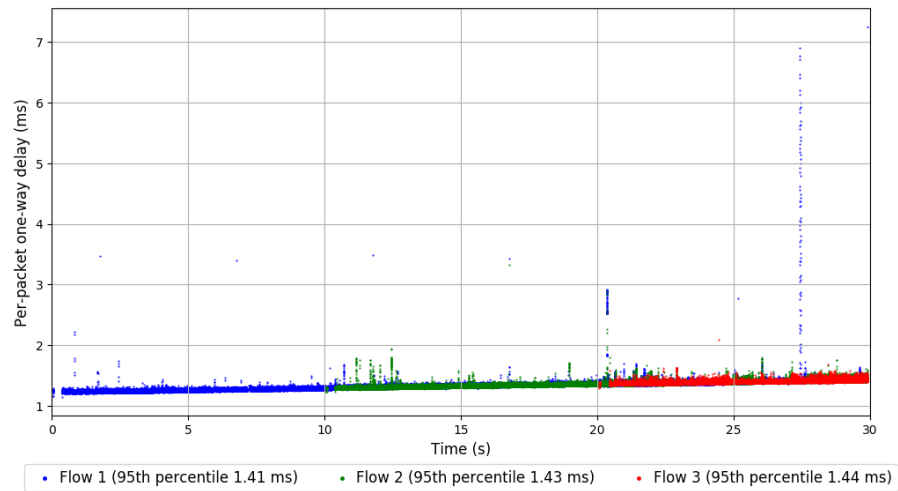
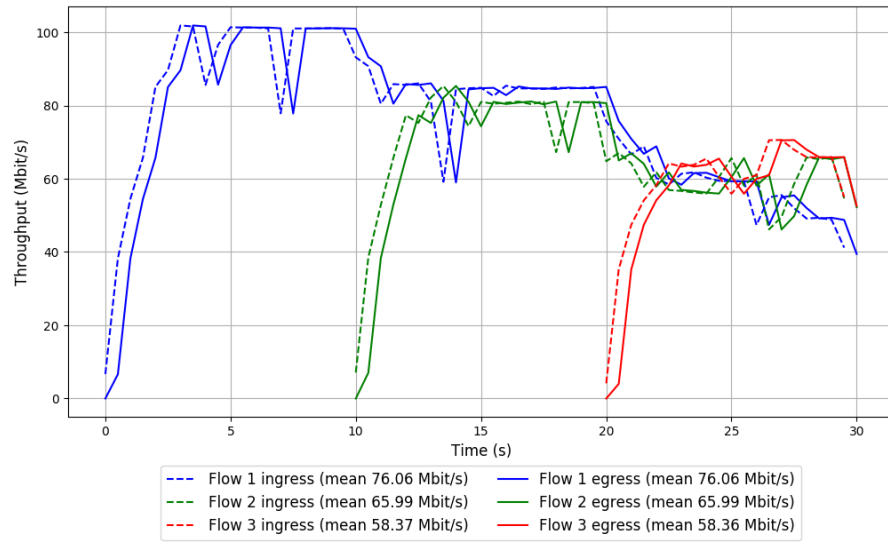
-- Flow 3:

Average throughput: 58.36 Mbit/s

95th percentile per-packet one-way delay: 1.436 ms

Loss rate: 0.22%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-30 17:05:21

End at: 2018-06-30 17:05:51

Local clock offset: 2.969 ms

Remote clock offset: 3.869 ms

Below is generated by plot.py at 2018-06-30 20:17:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.24 Mbit/s

95th percentile per-packet one-way delay: 0.945 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 77.40 Mbit/s

95th percentile per-packet one-way delay: 0.938 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 63.29 Mbit/s

95th percentile per-packet one-way delay: 0.948 ms

Loss rate: 0.09%

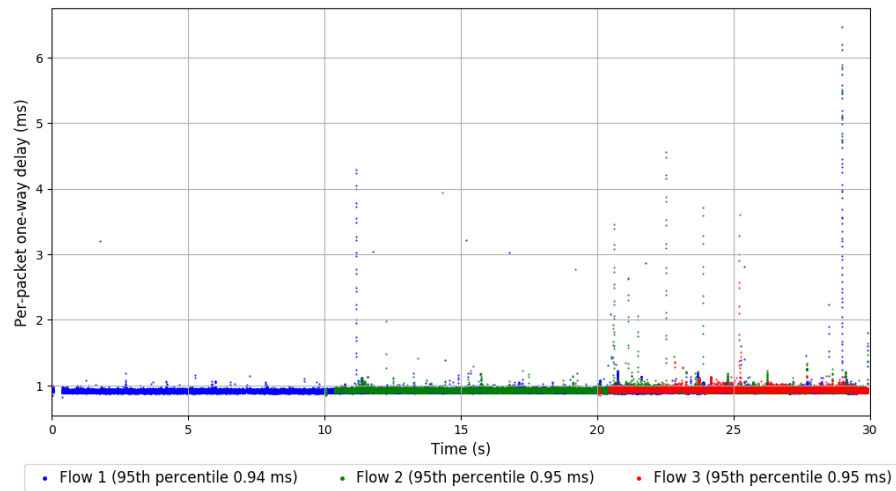
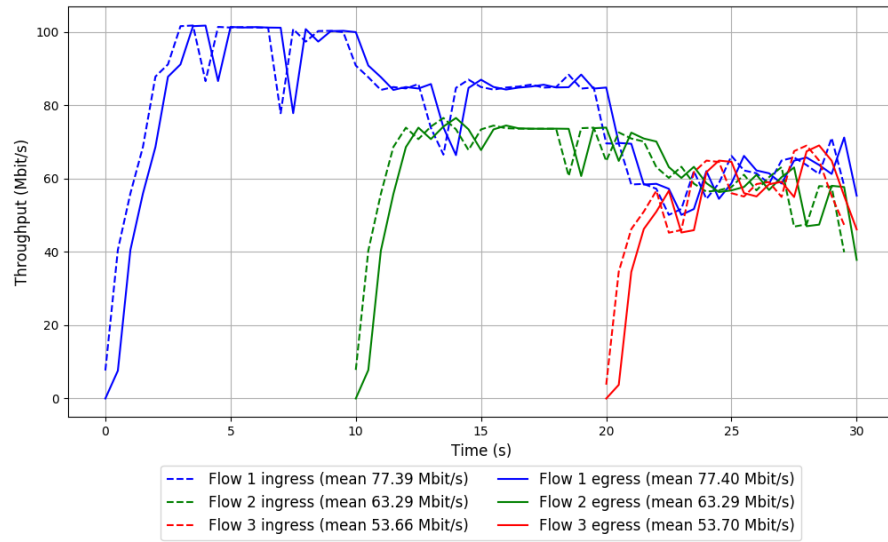
-- Flow 3:

Average throughput: 53.70 Mbit/s

95th percentile per-packet one-way delay: 0.954 ms

Loss rate: 0.13%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 17:31:59

End at: 2018-06-30 17:32:29

Local clock offset: 0.544 ms

Remote clock offset: 3.384 ms

Below is generated by plot.py at 2018-06-30 20:17:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.54 Mbit/s

95th percentile per-packet one-way delay: 1.148 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 75.07 Mbit/s

95th percentile per-packet one-way delay: 1.150 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 65.63 Mbit/s

95th percentile per-packet one-way delay: 1.142 ms

Loss rate: 0.10%

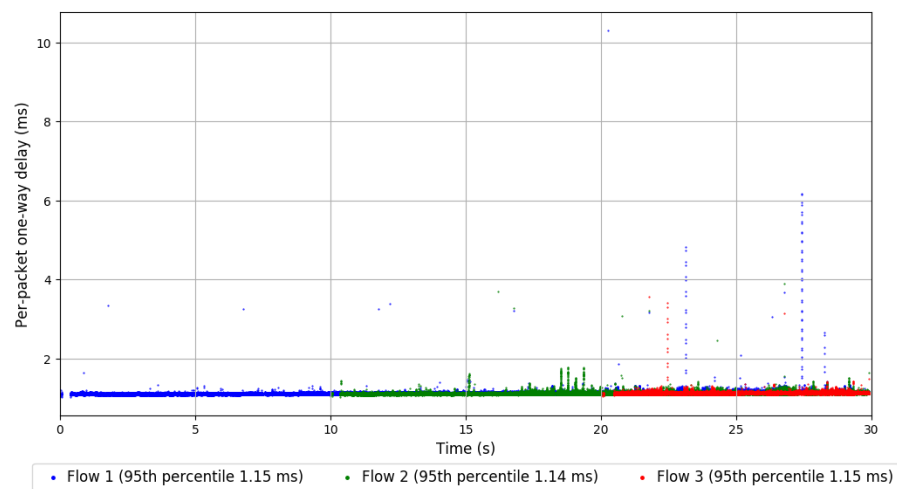
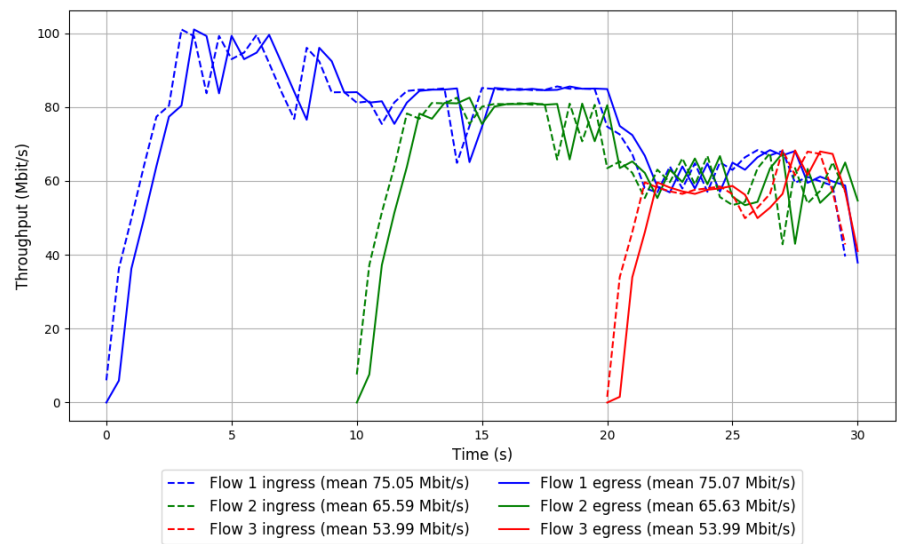
-- Flow 3:

Average throughput: 53.99 Mbit/s

95th percentile per-packet one-way delay: 1.150 ms

Loss rate: 0.18%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 17:58:27

End at: 2018-06-30 17:58:57

Local clock offset: 3.023 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-06-30 20:17:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.71 Mbit/s

95th percentile per-packet one-way delay: 0.947 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 73.39 Mbit/s

95th percentile per-packet one-way delay: 0.955 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 64.76 Mbit/s

95th percentile per-packet one-way delay: 0.925 ms

Loss rate: 0.08%

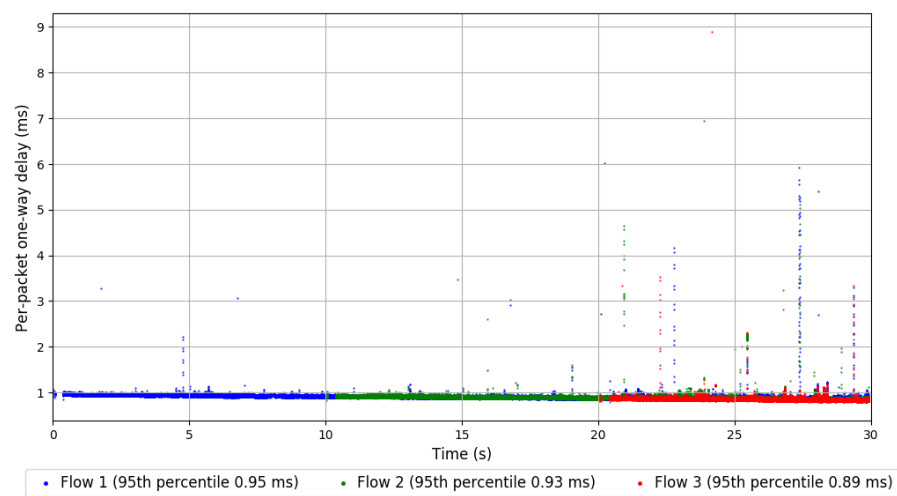
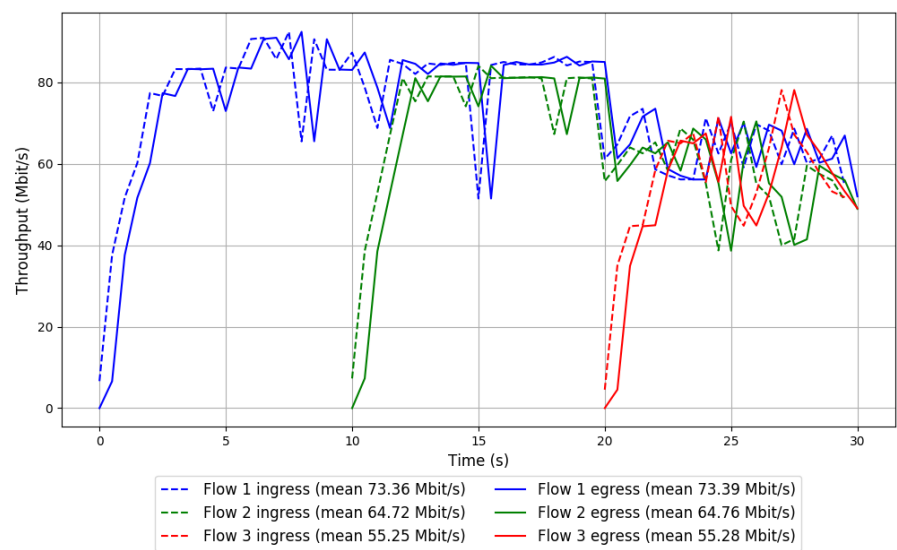
-- Flow 3:

Average throughput: 55.28 Mbit/s

95th percentile per-packet one-way delay: 0.887 ms

Loss rate: 0.25%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 18:25:01

End at: 2018-06-30 18:25:31

Local clock offset: 3.666 ms

Remote clock offset: -0.94 ms

Below is generated by plot.py at 2018-06-30 20:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.83 Mbit/s

95th percentile per-packet one-way delay: 1.139 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 71.56 Mbit/s

95th percentile per-packet one-way delay: 1.135 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 65.27 Mbit/s

95th percentile per-packet one-way delay: 1.126 ms

Loss rate: 0.08%

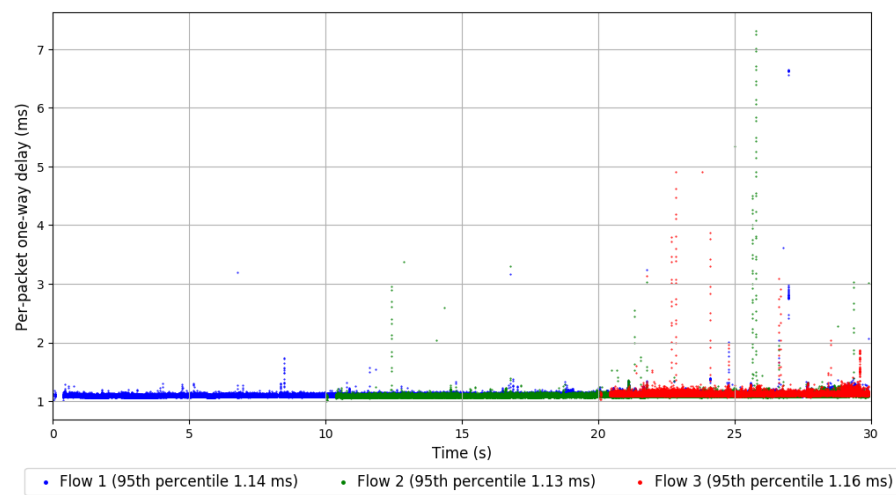
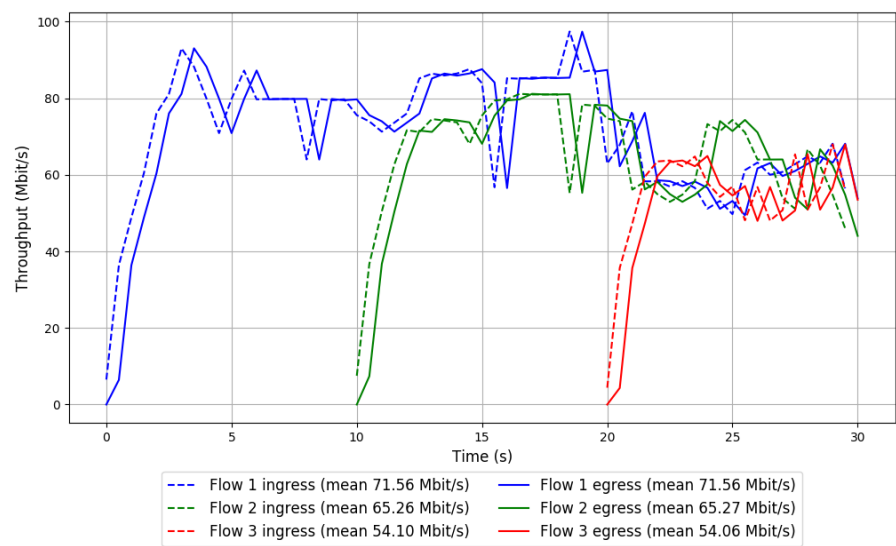
-- Flow 3:

Average throughput: 54.06 Mbit/s

95th percentile per-packet one-way delay: 1.160 ms

Loss rate: 0.26%

Run 10: Report of QUIC Cubic — Data Link

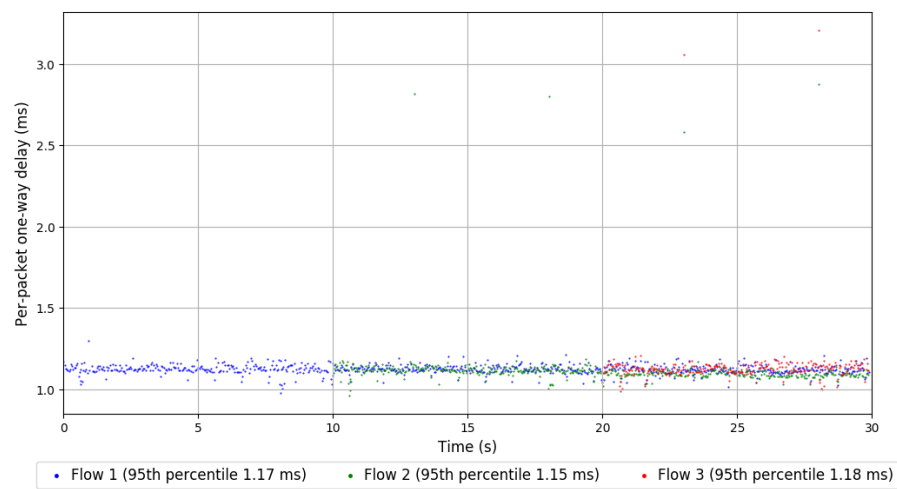
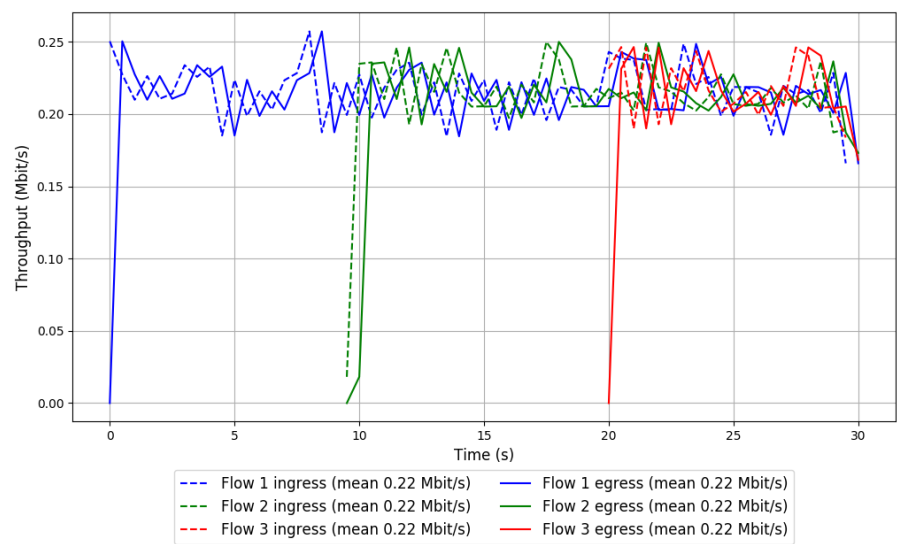


```
Run 1: Statistics of SReAM

Start at: 2018-06-30 14:10:38
End at: 2018-06-30 14:11:08
Local clock offset: 3.611 ms
Remote clock offset: 3.035 ms

# Below is generated by plot.py at 2018-06-30 20:17:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.35%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-06-30 14:37:08

End at: 2018-06-30 14:37:38

Local clock offset: 3.109 ms

Remote clock offset: 2.796 ms

Below is generated by plot.py at 2018-06-30 20:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.112 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.114 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.19%

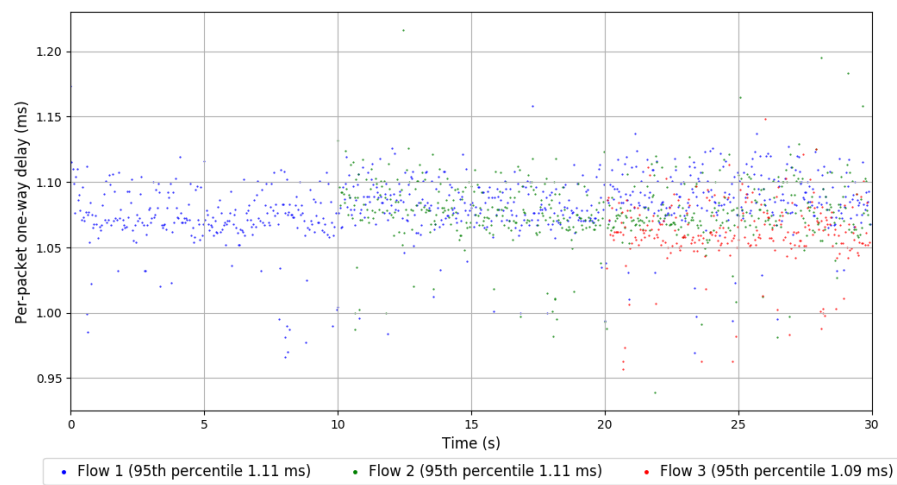
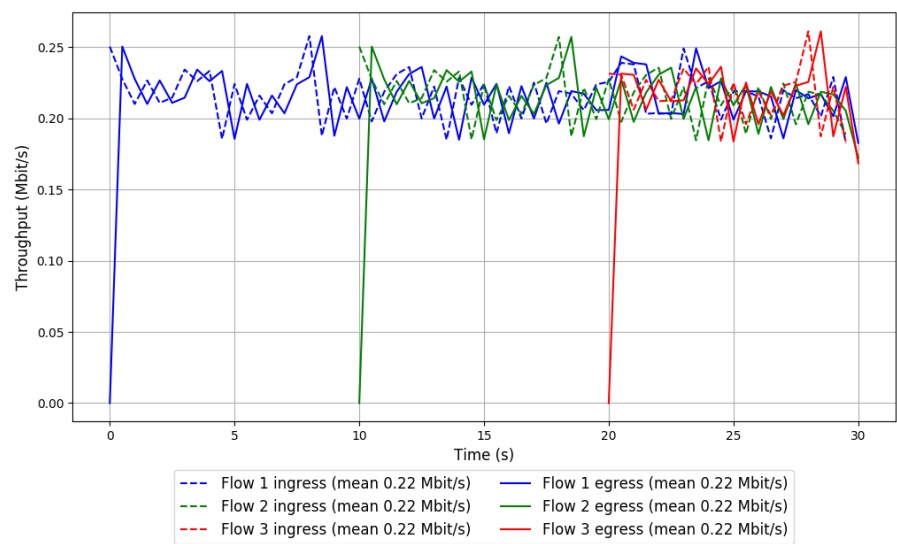
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.35%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-06-30 15:03:44

End at: 2018-06-30 15:04:14

Local clock offset: 0.057 ms

Remote clock offset: 3.08 ms

Below is generated by plot.py at 2018-06-30 20:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.188 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.238 ms

Loss rate: 0.19%

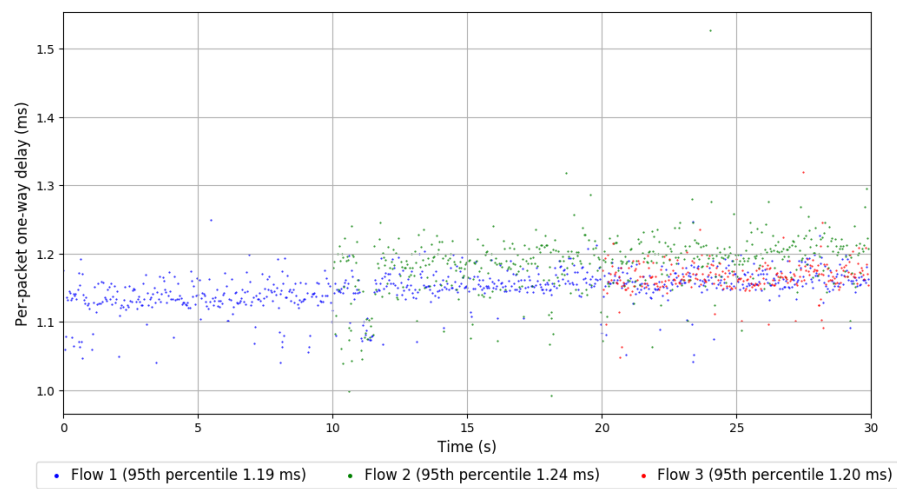
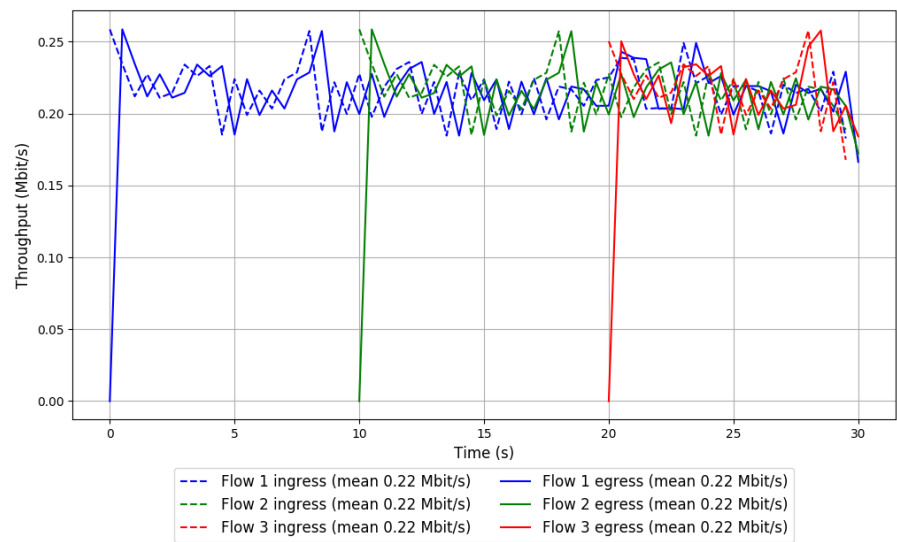
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.197 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-06-30 15:30:21

End at: 2018-06-30 15:30:51

Local clock offset: 2.9 ms

Remote clock offset: 2.81 ms

Below is generated by plot.py at 2018-06-30 20:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 0.902 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.912 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.854 ms

Loss rate: 0.19%

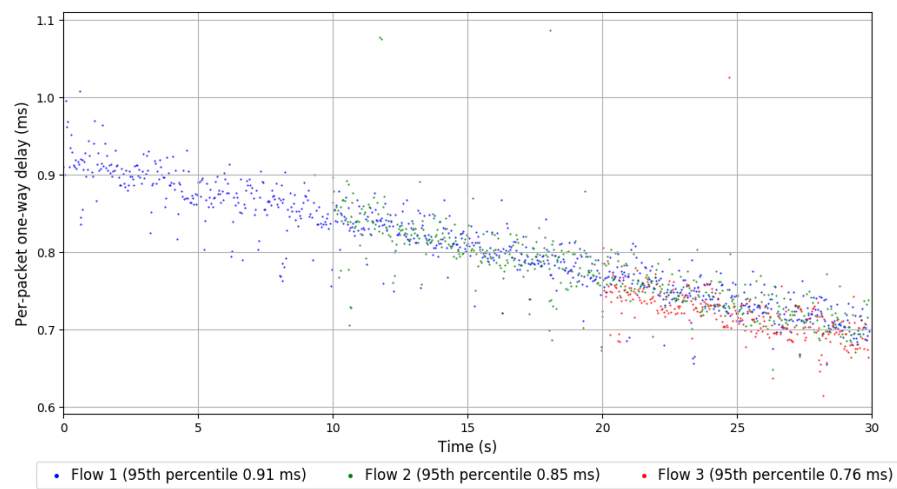
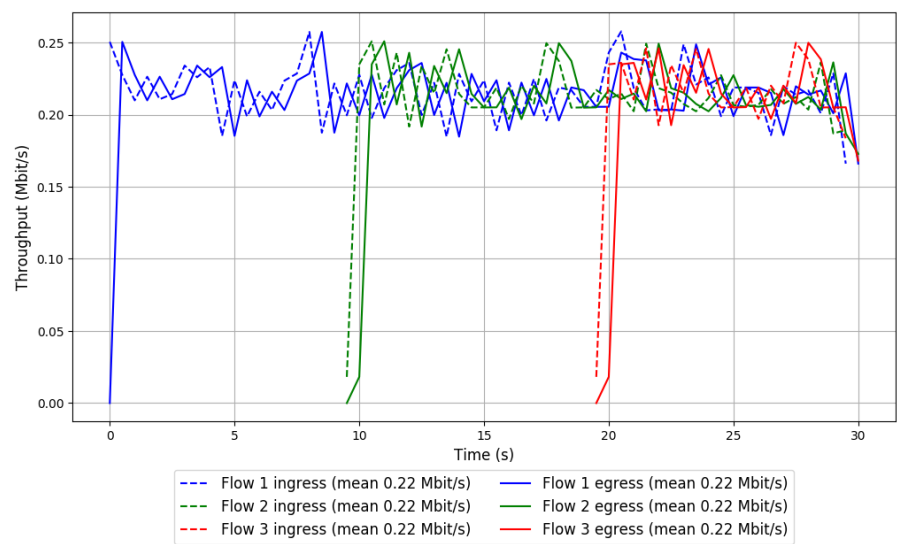
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.760 ms

Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

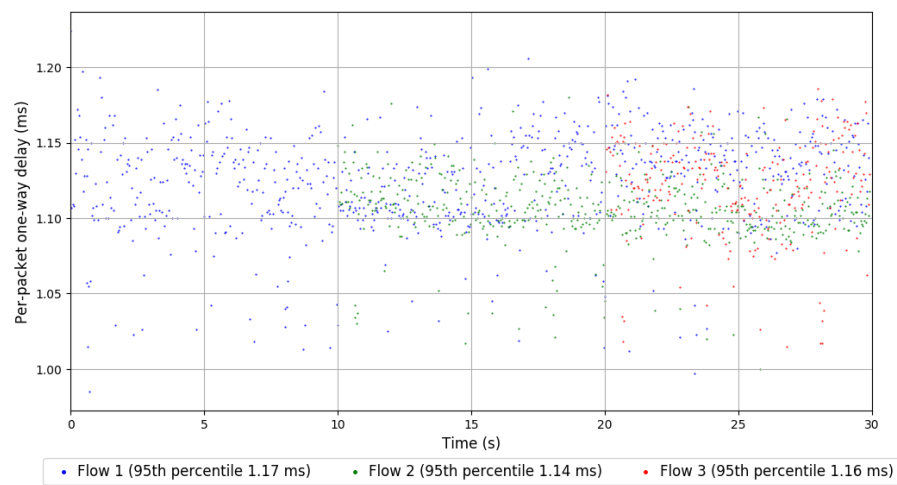
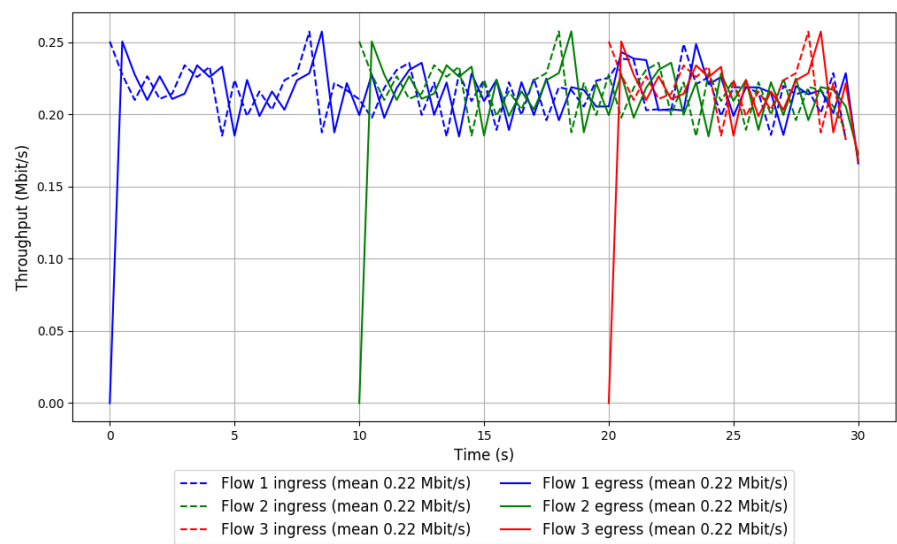


Run 5: Statistics of SReAM

Start at: 2018-06-30 15:56:53
End at: 2018-06-30 15:57:23
Local clock offset: 3.404 ms
Remote clock offset: -0.662 ms

Below is generated by plot.py at 2018-06-30 20:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.36%

Run 5: Report of SReAM — Data Link

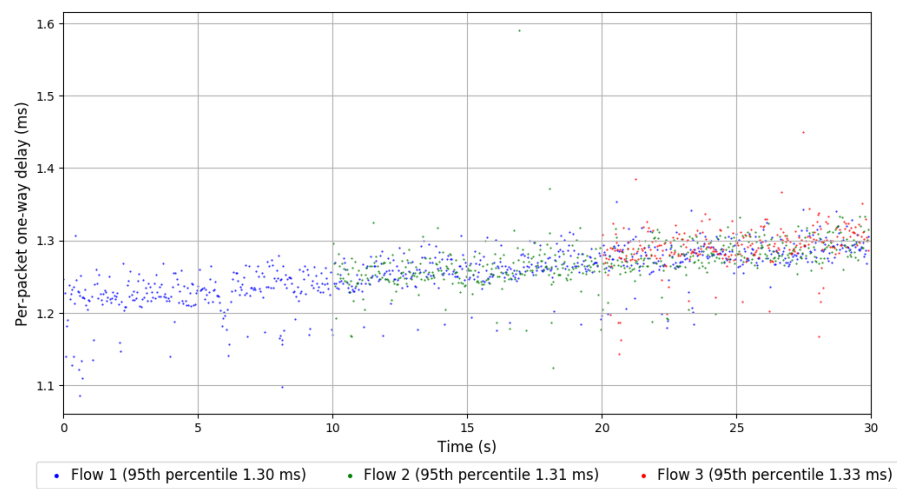
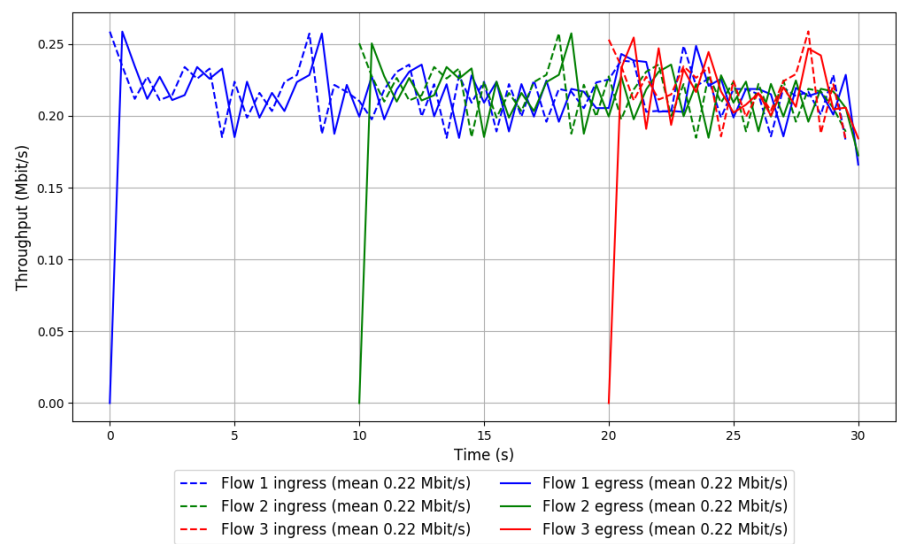


Run 6: Statistics of SReAM

Start at: 2018-06-30 16:23:21
End at: 2018-06-30 16:23:51
Local clock offset: 1.324 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-06-30 20:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.304 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.312 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.327 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

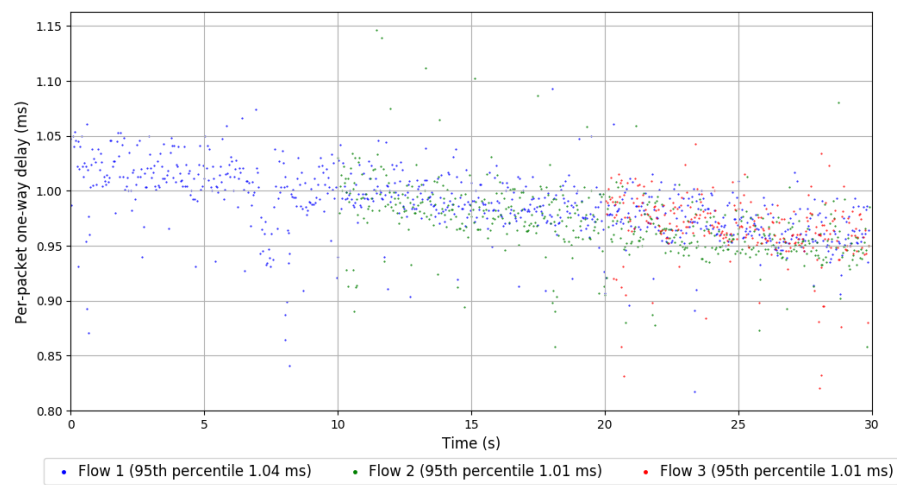
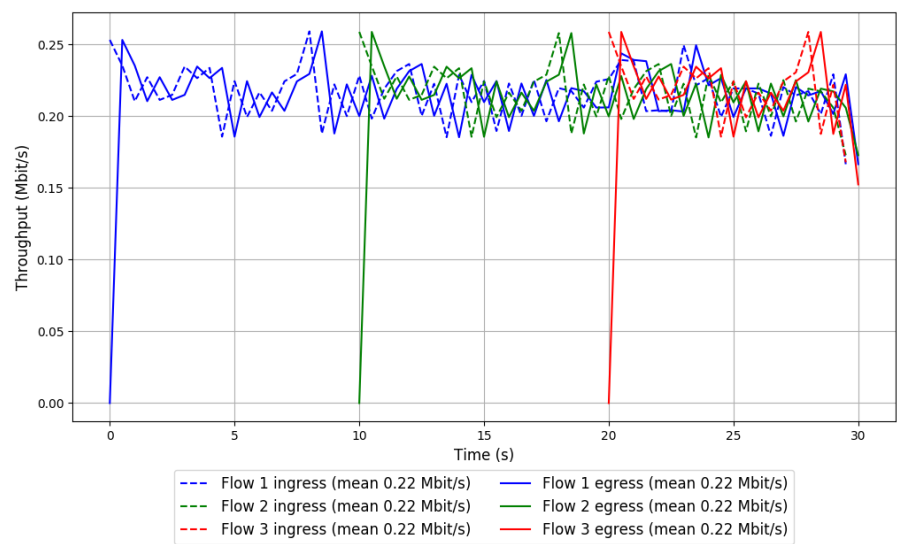


Run 7: Statistics of SReAM

Start at: 2018-06-30 16:49:51
End at: 2018-06-30 16:50:21
Local clock offset: 1.001 ms
Remote clock offset: 2.68 ms

```
# Below is generated by plot.py at 2018-06-30 20:17:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.028 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.35%
```

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-06-30 17:16:33

End at: 2018-06-30 17:17:03

Local clock offset: 3.047 ms

Remote clock offset: 3.719 ms

Below is generated by plot.py at 2018-06-30 20:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.377 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.376 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.368 ms

Loss rate: 0.19%

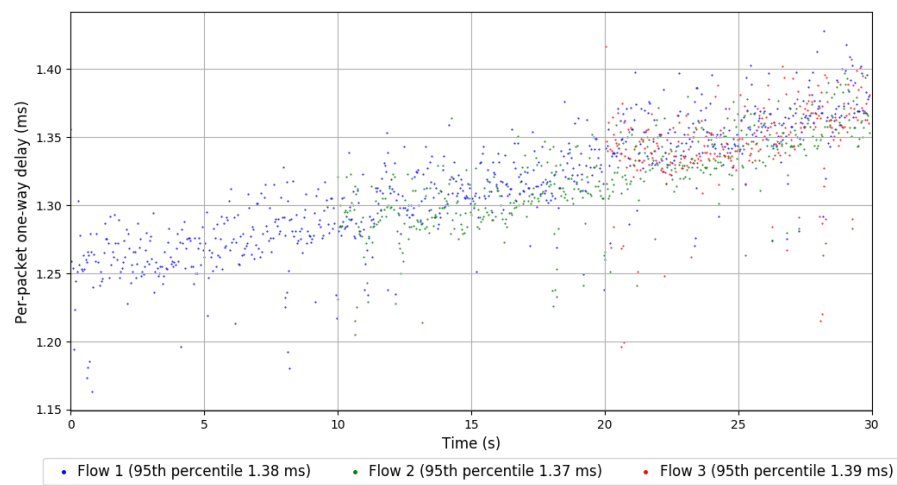
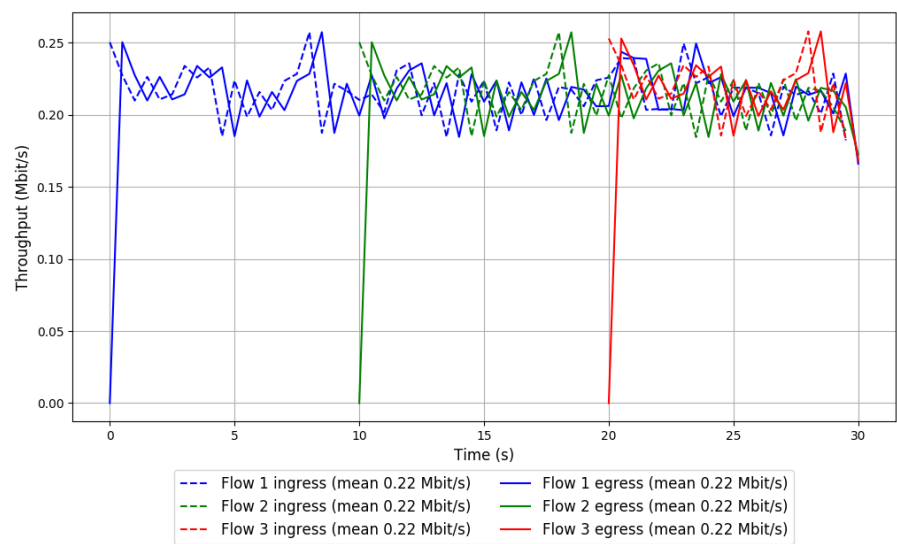
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.388 ms

Loss rate: 0.35%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-06-30 17:43:11

End at: 2018-06-30 17:43:41

Local clock offset: 0.018 ms

Remote clock offset: 3.545 ms

Below is generated by plot.py at 2018-06-30 20:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.205 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.00%

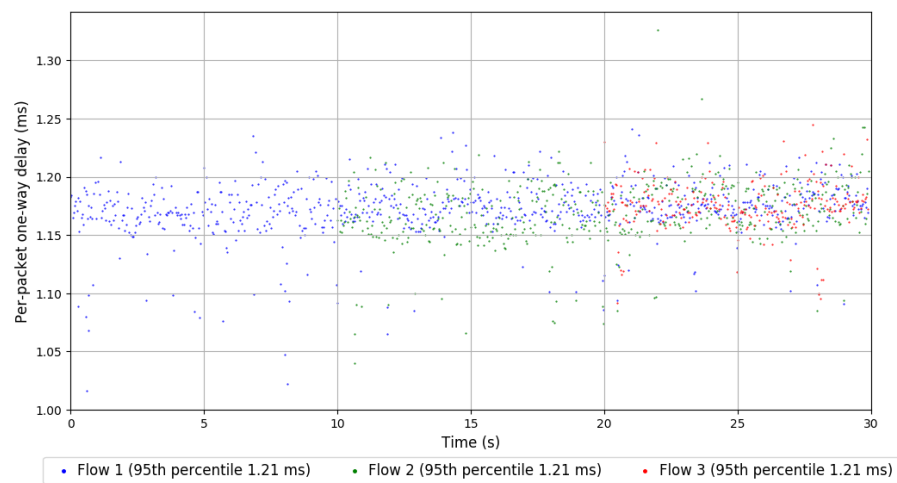
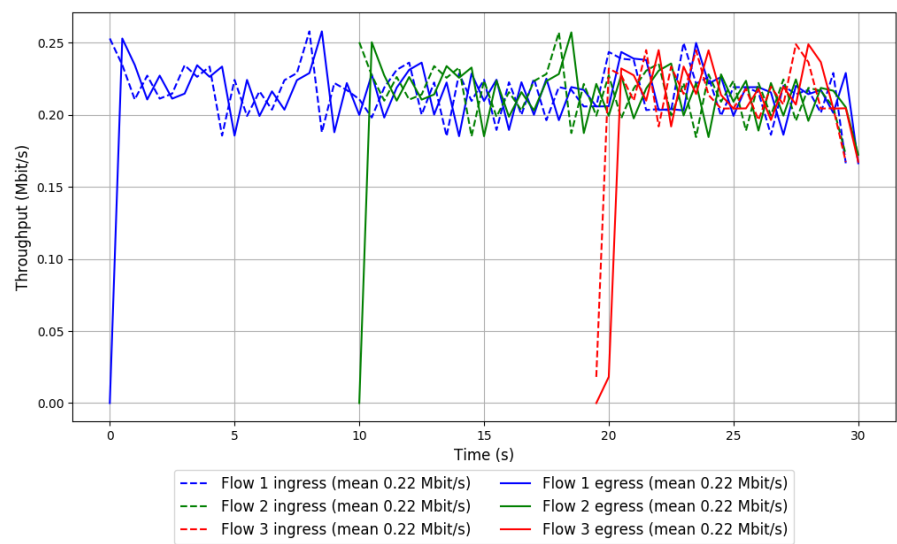
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

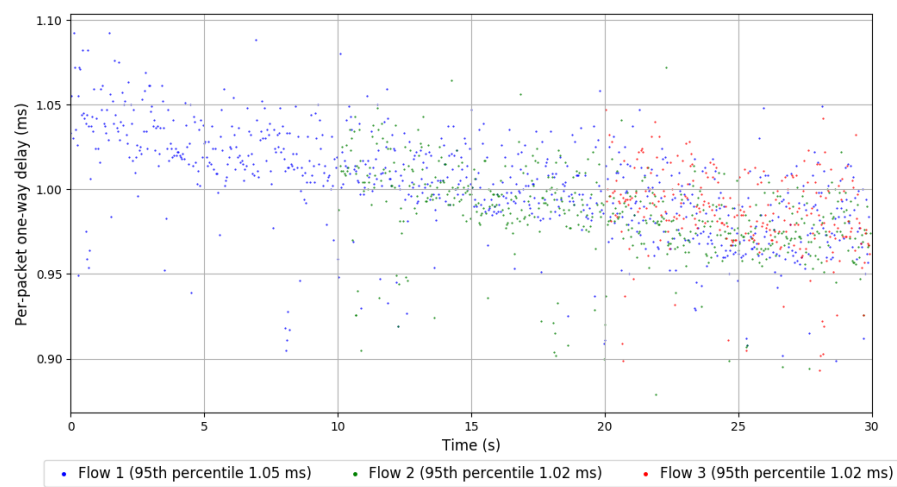
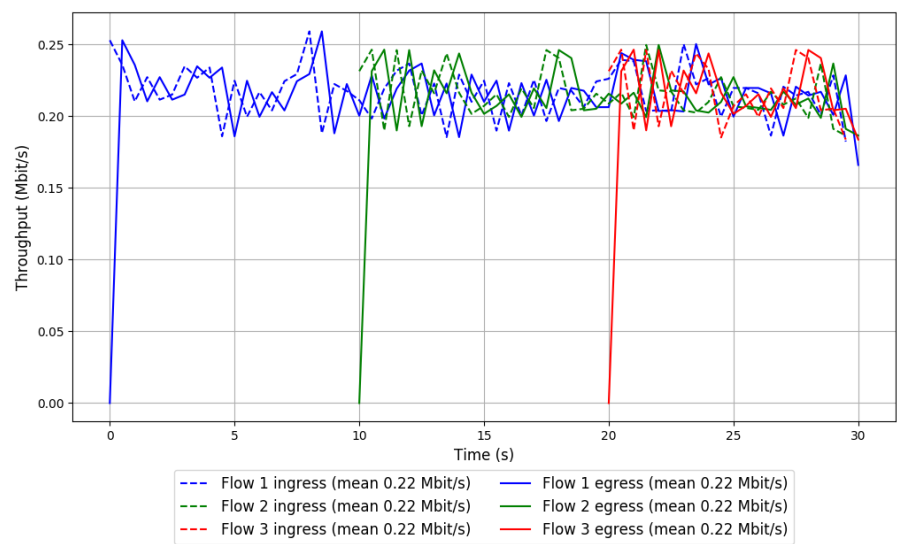


Run 10: Statistics of SReAM

Start at: 2018-06-30 18:09:34
End at: 2018-06-30 18:10:04
Local clock offset: 3.802 ms
Remote clock offset: -0.752 ms

Below is generated by plot.py at 2018-06-30 20:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.041 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.025 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.022 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-30 14:16:40

End at: 2018-06-30 14:17:10

Local clock offset: 3.61 ms

Remote clock offset: 3.085 ms

Below is generated by plot.py at 2018-06-30 20:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.52 Mbit/s

95th percentile per-packet one-way delay: 1.179 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 21.43 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.43 Mbit/s

95th percentile per-packet one-way delay: 1.171 ms

Loss rate: 0.00%

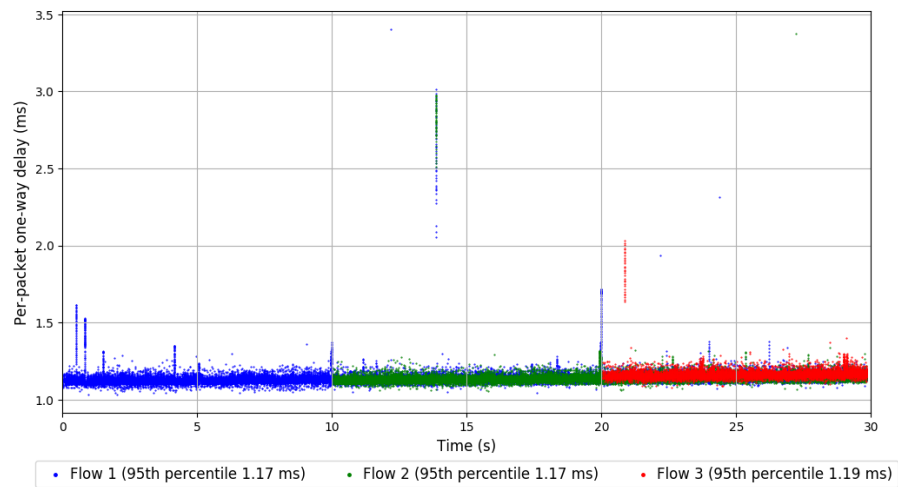
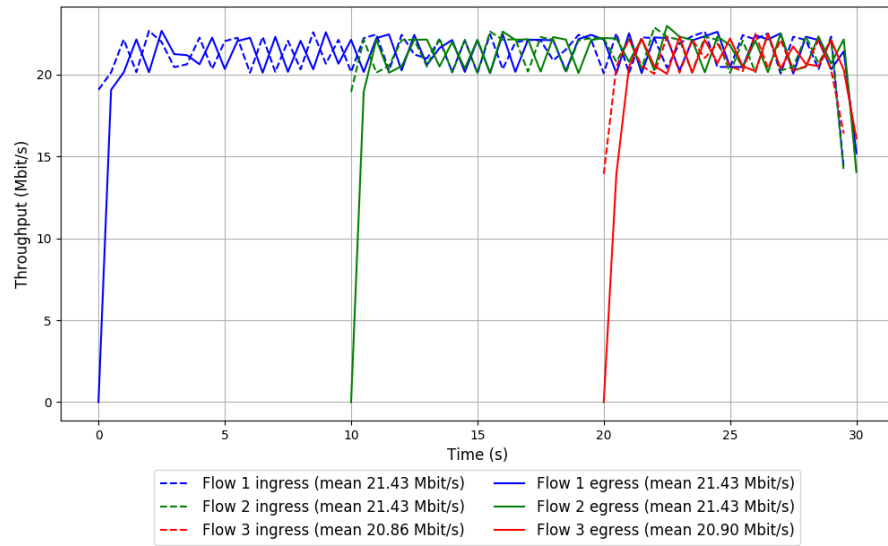
-- Flow 3:

Average throughput: 20.90 Mbit/s

95th percentile per-packet one-way delay: 1.194 ms

Loss rate: 0.07%

Run 1: Report of Sprout — Data Link

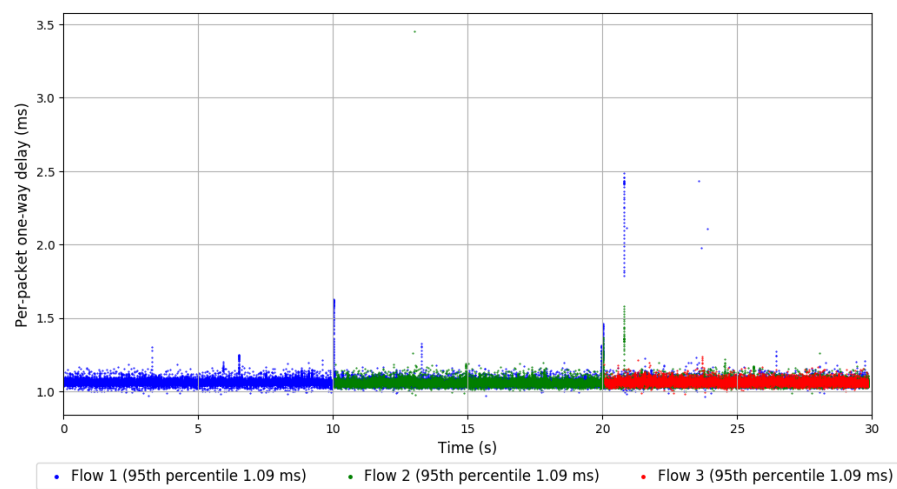
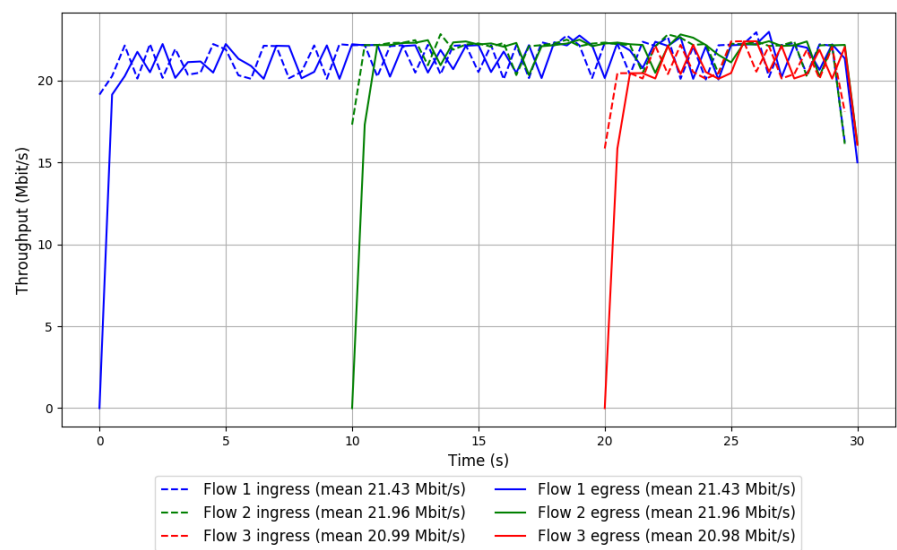


Run 2: Statistics of Sprout

Start at: 2018-06-30 14:43:11
End at: 2018-06-30 14:43:41
Local clock offset: 3.197 ms
Remote clock offset: 2.87 ms

Below is generated by plot.py at 2018-06-30 20:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.88 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.98 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.49%

Run 2: Report of Sprout — Data Link

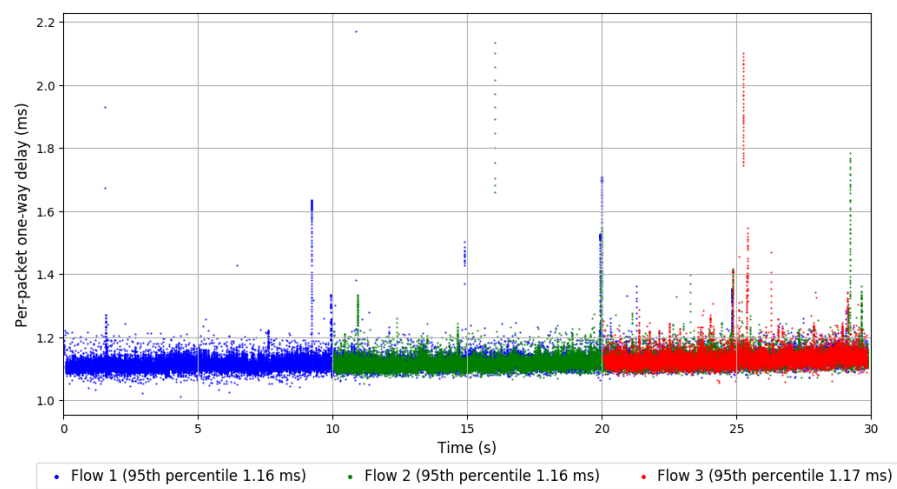
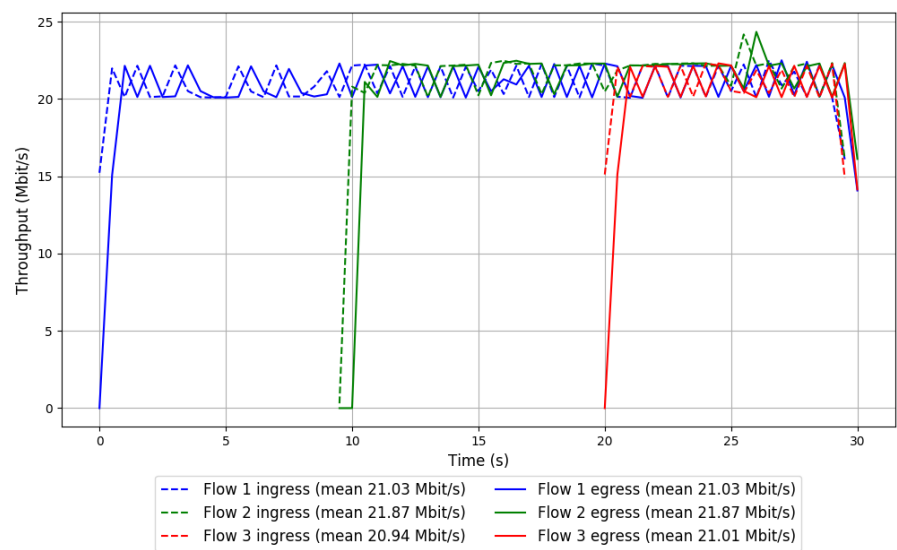


Run 3: Statistics of Sprout

Start at: 2018-06-30 15:09:49
End at: 2018-06-30 15:10:19
Local clock offset: -0.298 ms
Remote clock offset: 3.067 ms

```
# Below is generated by plot.py at 2018-06-30 20:17:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.47 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 21.03 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.87 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.01 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.18%
```


Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-06-30 15:36:22

End at: 2018-06-30 15:36:52

Local clock offset: 3.377 ms

Remote clock offset: 1.17 ms

Below is generated by plot.py at 2018-06-30 20:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.83 Mbit/s

95th percentile per-packet one-way delay: 0.875 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 21.41 Mbit/s

95th percentile per-packet one-way delay: 0.885 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.45 Mbit/s

95th percentile per-packet one-way delay: 0.855 ms

Loss rate: 0.23%

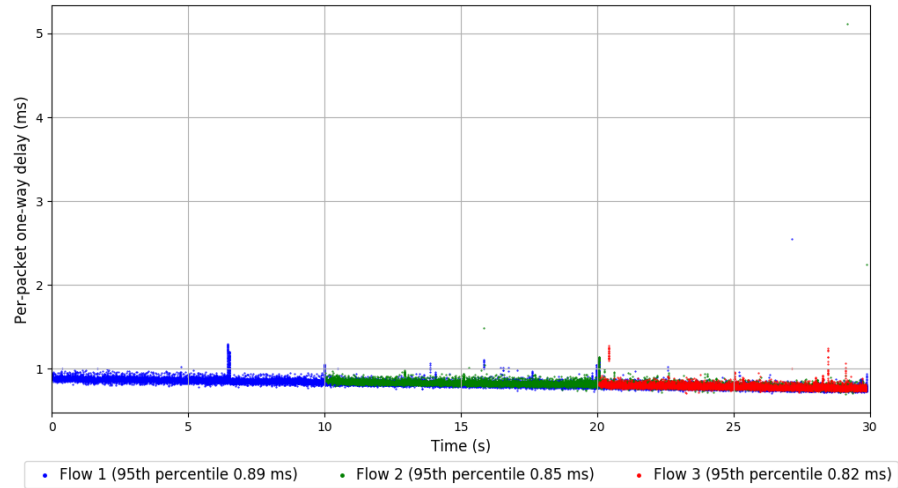
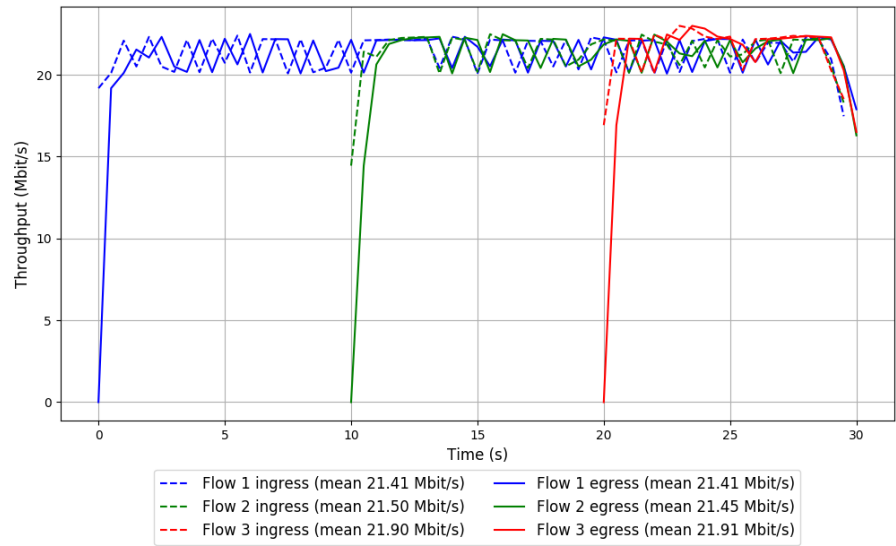
-- Flow 3:

Average throughput: 21.91 Mbit/s

95th percentile per-packet one-way delay: 0.822 ms

Loss rate: 0.47%

Run 4: Report of Sprout — Data Link

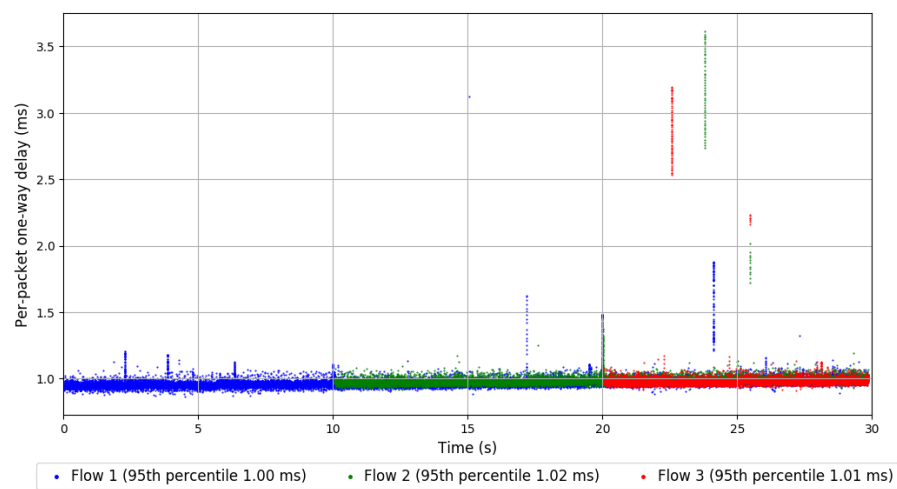
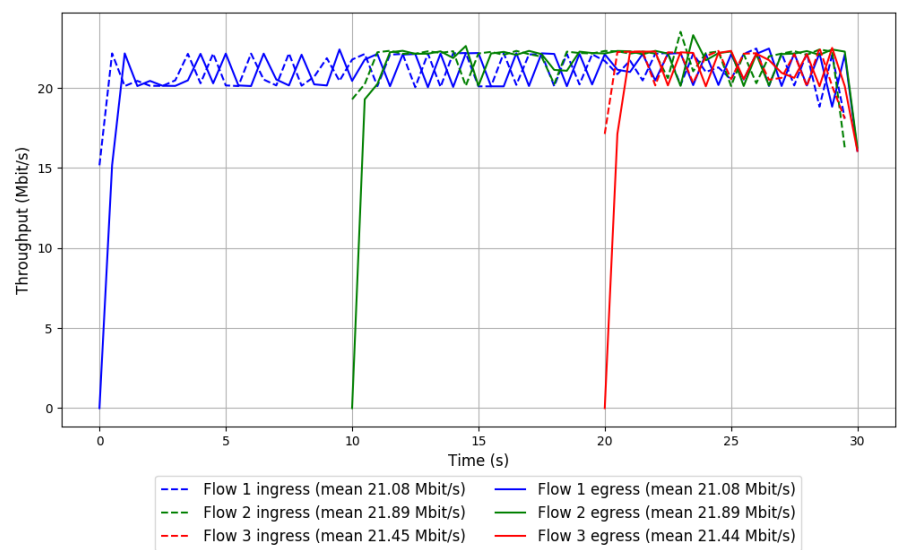


Run 5: Statistics of Sprout

Start at: 2018-06-30 16:02:56
End at: 2018-06-30 16:03:26
Local clock offset: 3.25 ms
Remote clock offset: -0.891 ms

```
# Below is generated by plot.py at 2018-06-30 20:17:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 1.010 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 1.002 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.89 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 1.010 ms
Loss rate: 0.48%
```

Run 5: Report of Sprout — Data Link

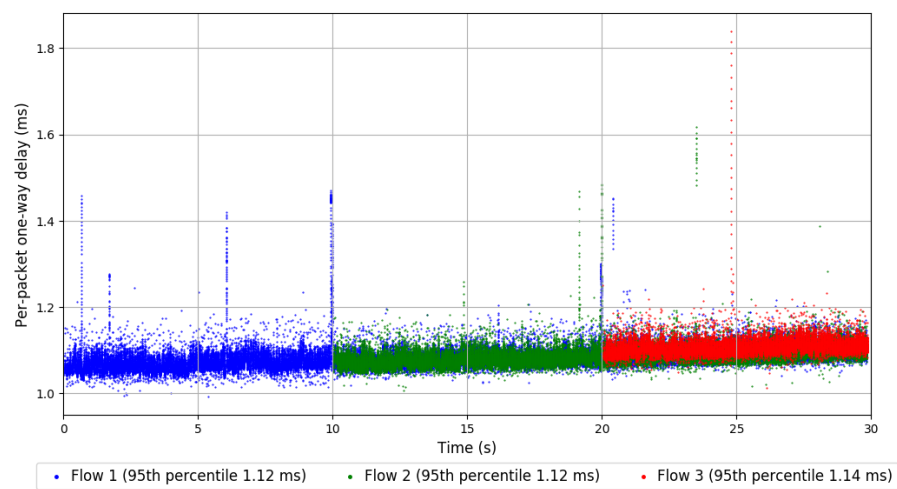
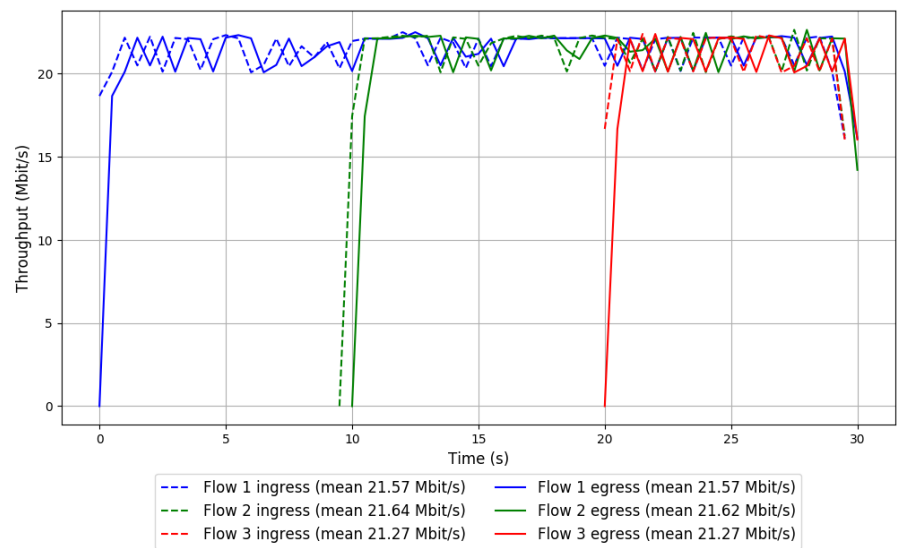


Run 6: Statistics of Sprout

Start at: 2018-06-30 16:29:21
End at: 2018-06-30 16:29:51
Local clock offset: 0.519 ms
Remote clock offset: -0.202 ms

```
# Below is generated by plot.py at 2018-06-30 20:17:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.92 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.62 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.27 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

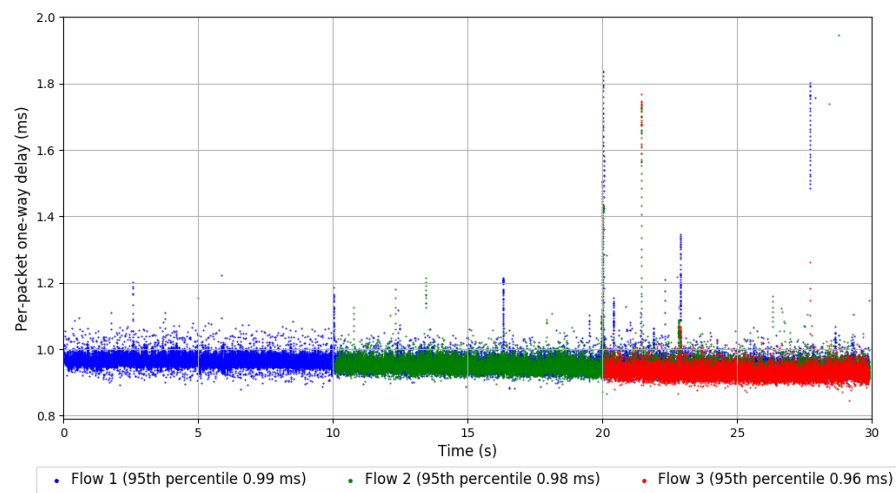
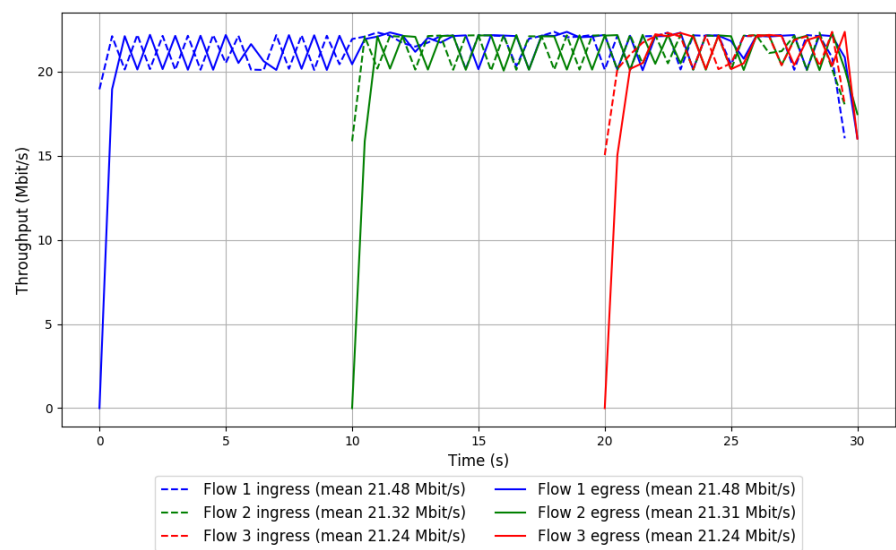


Run 7: Statistics of Sprout

Start at: 2018-06-30 16:55:54
End at: 2018-06-30 16:56:24
Local clock offset: 2.197 ms
Remote clock offset: 3.299 ms

```
# Below is generated by plot.py at 2018-06-30 20:17:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 0.984 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 0.989 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.31 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 0.960 ms
Loss rate: 0.48%
```


Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-30 17:22:35

End at: 2018-06-30 17:23:05

Local clock offset: 1.633 ms

Remote clock offset: 3.474 ms

Below is generated by plot.py at 2018-06-30 20:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.15 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 22.11 Mbit/s

95th percentile per-packet one-way delay: 1.214 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.29 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.24%

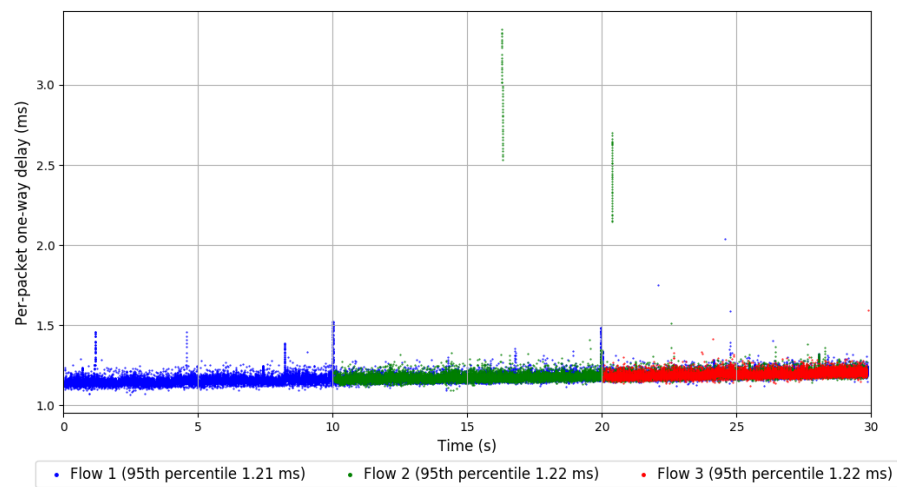
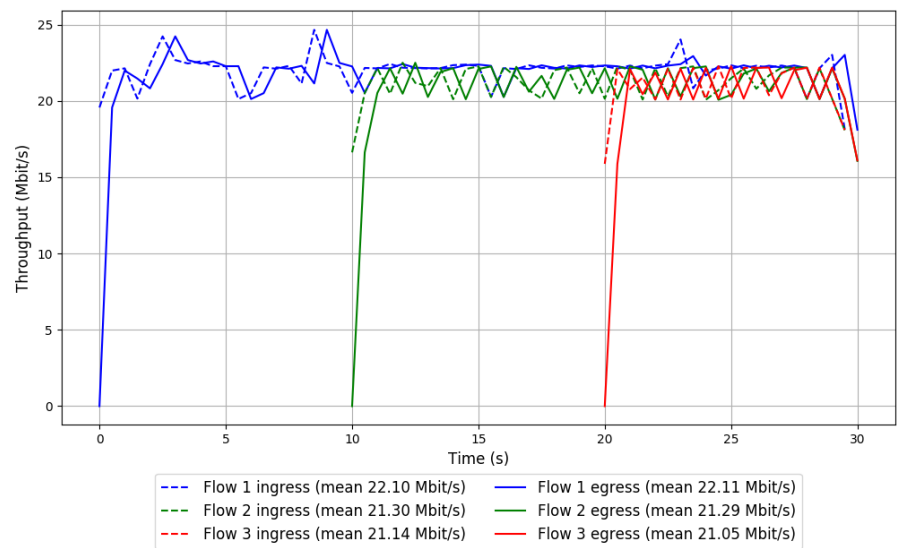
-- Flow 3:

Average throughput: 21.05 Mbit/s

95th percentile per-packet one-way delay: 1.224 ms

Loss rate: 0.48%

Run 8: Report of Sprout — Data Link

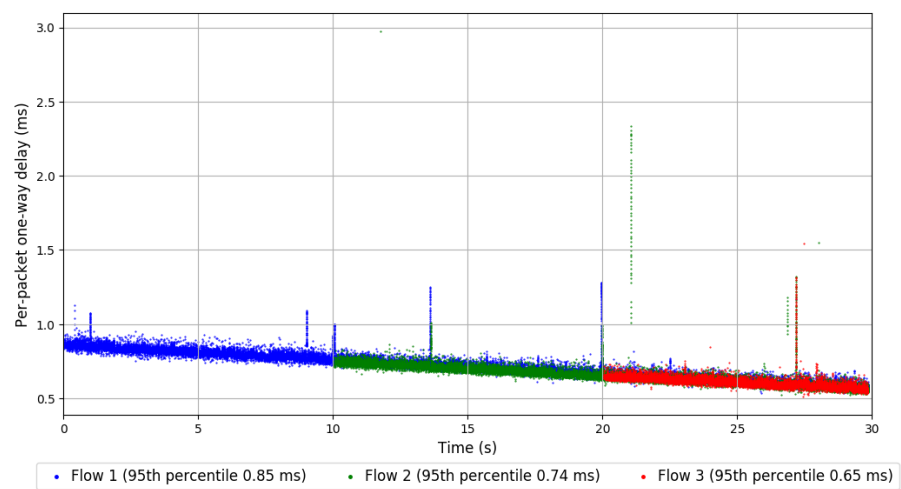
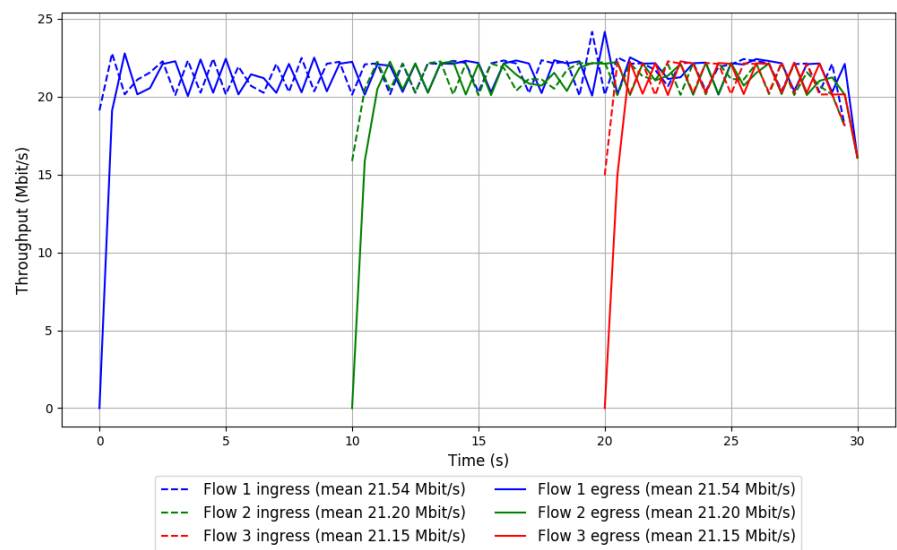


Run 9: Statistics of Sprout

Start at: 2018-06-30 17:49:13
End at: 2018-06-30 17:49:43
Local clock offset: 1.251 ms
Remote clock offset: 2.0 ms

Below is generated by plot.py at 2018-06-30 20:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.55 Mbit/s
95th percentile per-packet one-way delay: 0.831 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 0.847 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 0.740 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.15 Mbit/s
95th percentile per-packet one-way delay: 0.654 ms
Loss rate: 0.48%

Run 9: Report of Sprout — Data Link

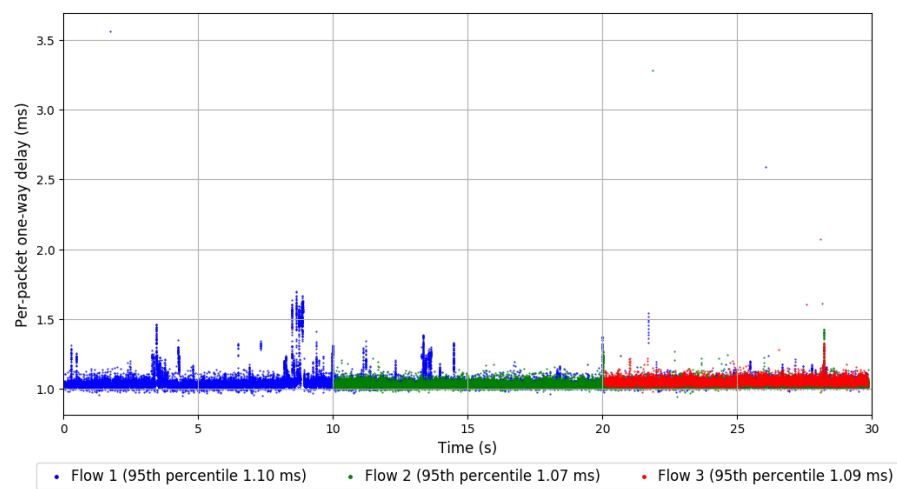
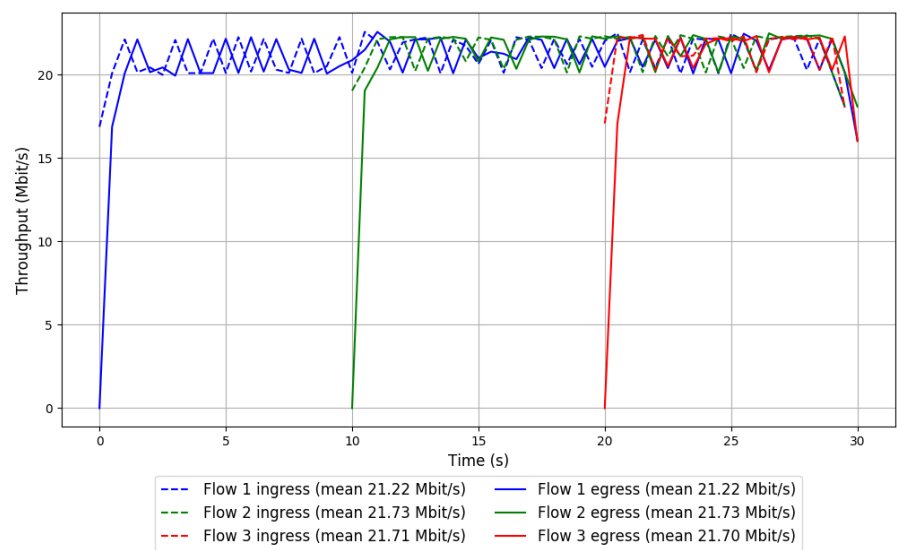


Run 10: Statistics of Sprout

Start at: 2018-06-30 18:15:36
End at: 2018-06-30 18:16:06
Local clock offset: 4.123 ms
Remote clock offset: -0.997 ms

Below is generated by plot.py at 2018-06-30 20:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.76 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.70 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.47%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-30 14:33:46

End at: 2018-06-30 14:34:16

Local clock offset: 3.11 ms

Remote clock offset: 2.771 ms

Below is generated by plot.py at 2018-06-30 20:25:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 407.78 Mbit/s

95th percentile per-packet one-way delay: 1.043 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 232.26 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 203.17 Mbit/s

95th percentile per-packet one-way delay: 1.054 ms

Loss rate: 0.06%

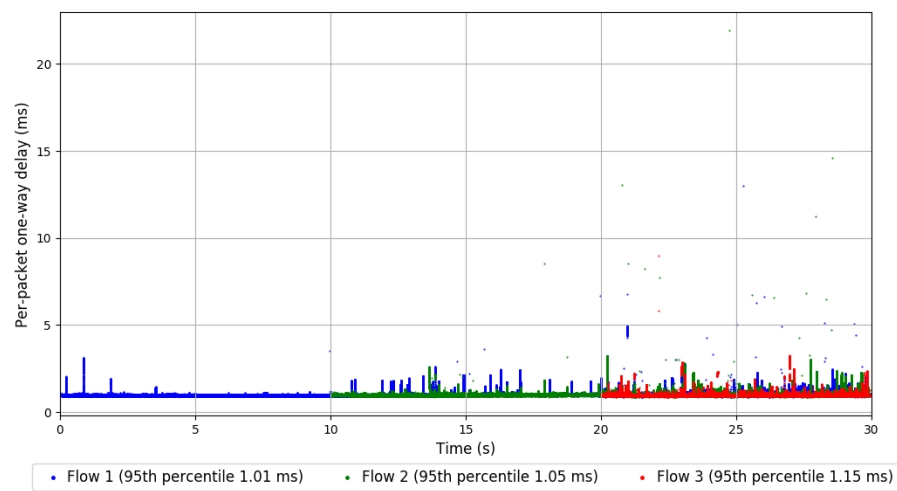
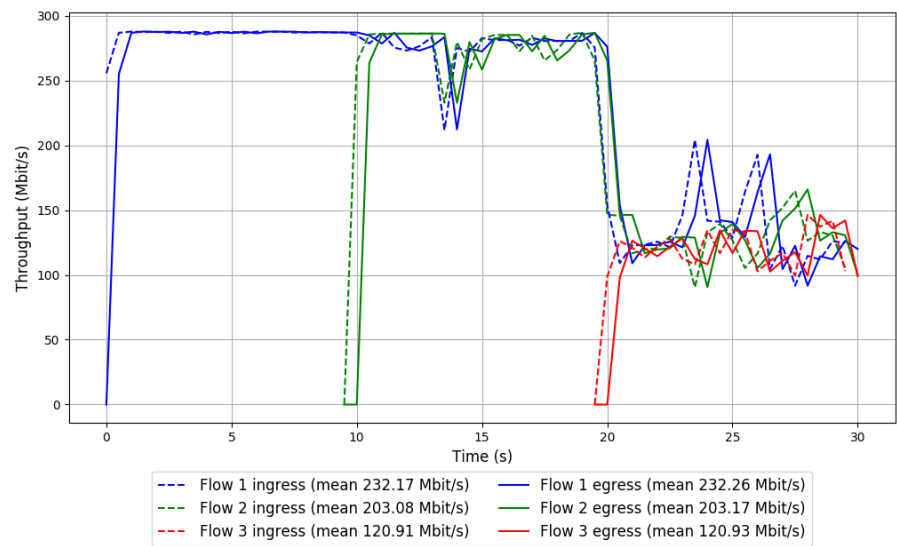
-- Flow 3:

Average throughput: 120.93 Mbit/s

95th percentile per-packet one-way delay: 1.152 ms

Loss rate: 0.20%

Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-30 15:00:24

End at: 2018-06-30 15:00:54

Local clock offset: 0.332 ms

Remote clock offset: 3.015 ms

Below is generated by plot.py at 2018-06-30 20:25:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 405.09 Mbit/s

95th percentile per-packet one-way delay: 1.215 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 222.58 Mbit/s

95th percentile per-packet one-way delay: 1.163 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 209.86 Mbit/s

95th percentile per-packet one-way delay: 1.203 ms

Loss rate: 0.07%

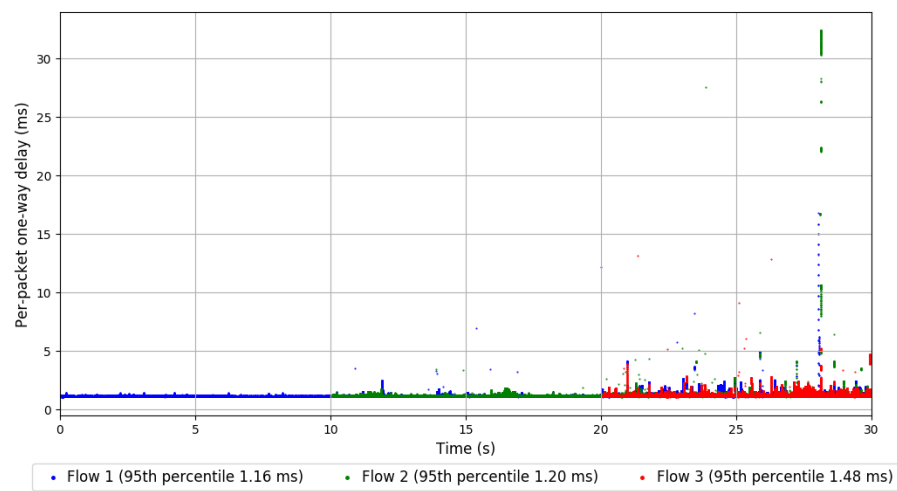
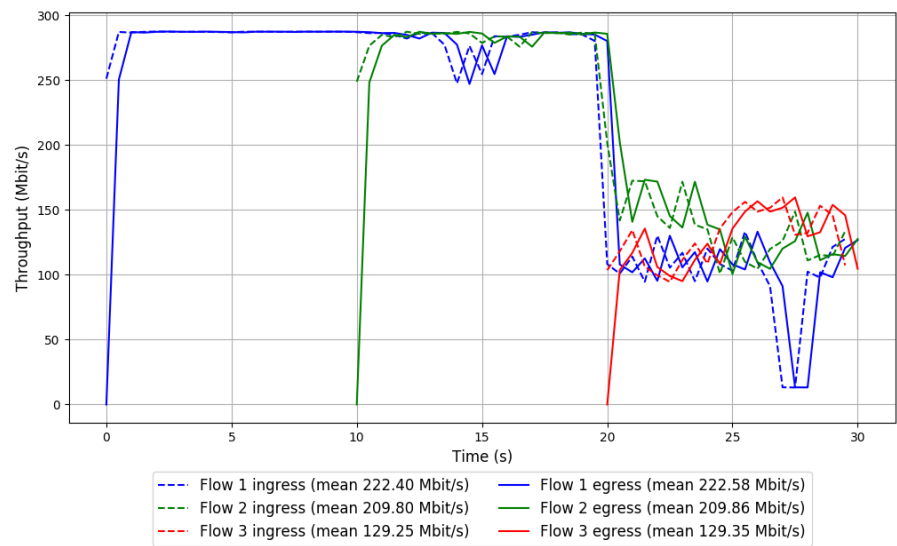
-- Flow 3:

Average throughput: 129.35 Mbit/s

95th percentile per-packet one-way delay: 1.481 ms

Loss rate: 0.10%

Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-30 15:27:01

End at: 2018-06-30 15:27:31

Local clock offset: 2.593 ms

Remote clock offset: 3.393 ms

Below is generated by plot.py at 2018-06-30 20:25:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 399.51 Mbit/s

95th percentile per-packet one-way delay: 1.014 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 224.43 Mbit/s

95th percentile per-packet one-way delay: 0.967 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 199.20 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.08%

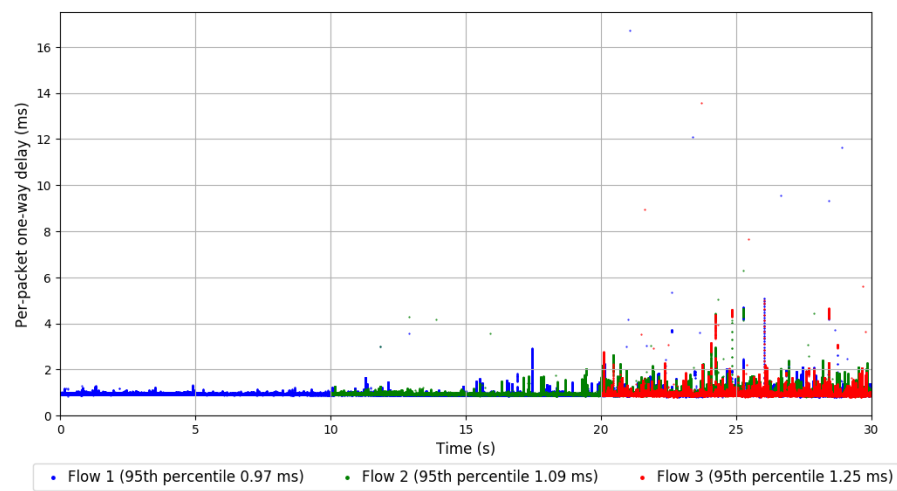
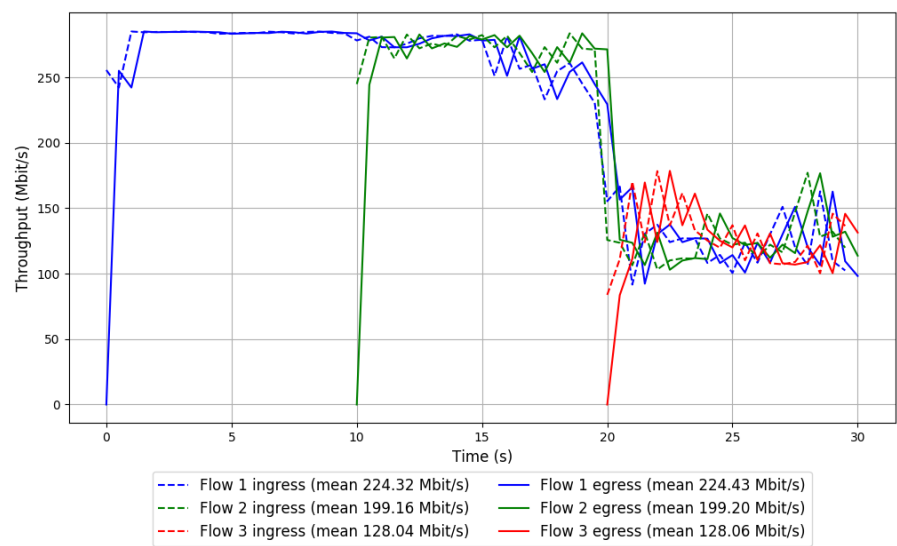
-- Flow 3:

Average throughput: 128.06 Mbit/s

95th percentile per-packet one-way delay: 1.250 ms

Loss rate: 0.20%

Run 3: Report of TaoVA-100x — Data Link

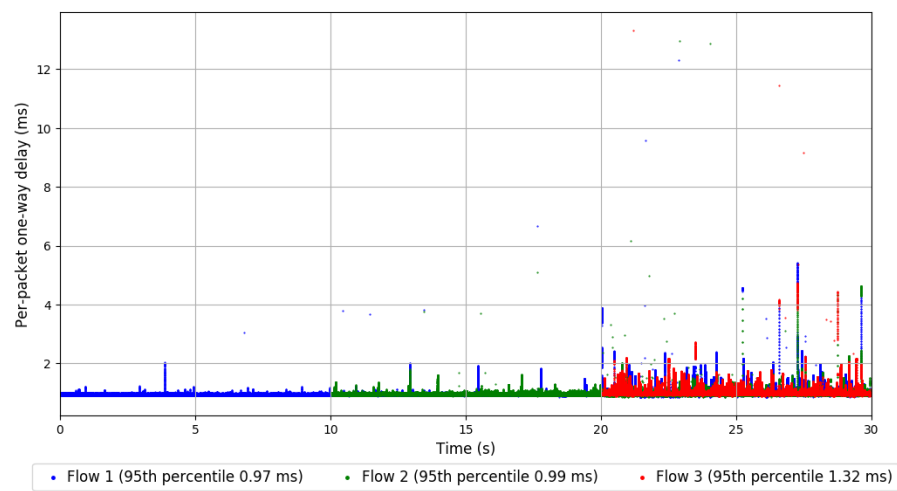
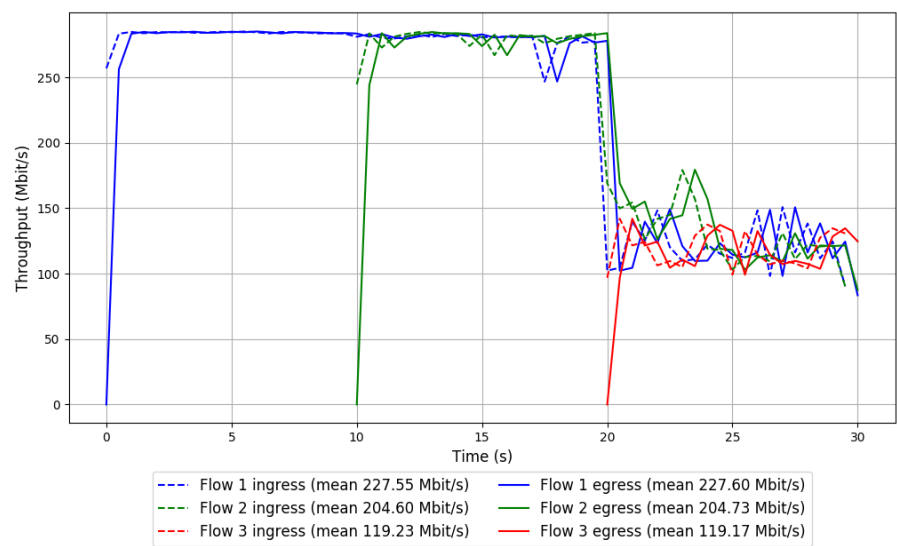


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-30 15:53:33
End at: 2018-06-30 15:54:03
Local clock offset: 3.38 ms
Remote clock offset: -0.556 ms

Below is generated by plot.py at 2018-06-30 20:25:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.37 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 227.60 Mbit/s
95th percentile per-packet one-way delay: 0.975 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 204.73 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 119.17 Mbit/s
95th percentile per-packet one-way delay: 1.319 ms
Loss rate: 0.26%

Run 4: Report of TaoVA-100x — Data Link

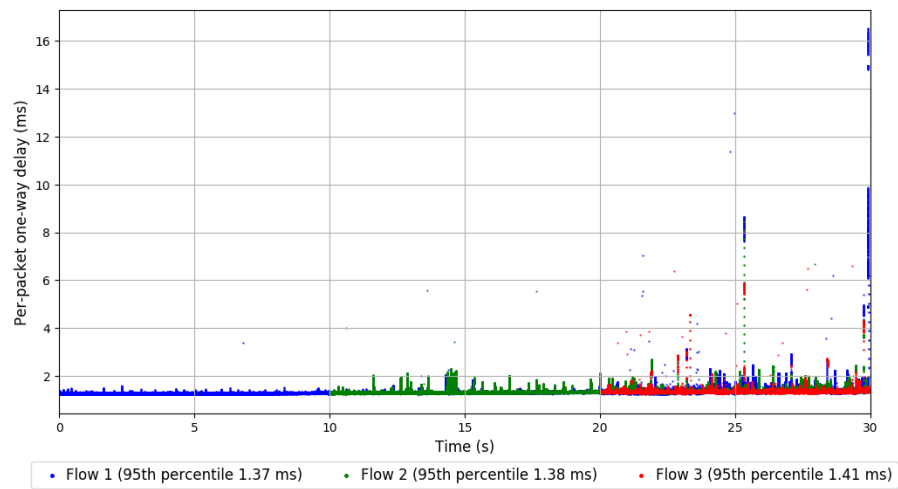
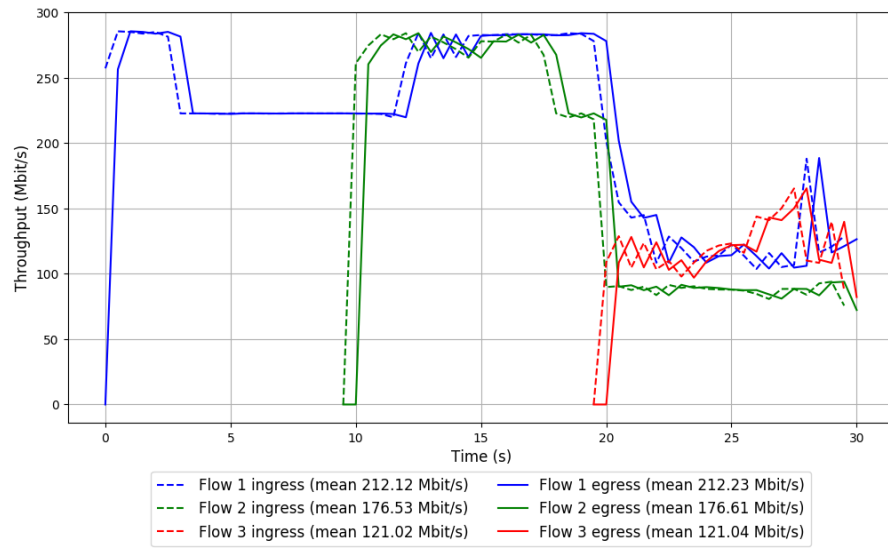


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-30 16:20:02
End at: 2018-06-30 16:20:32
Local clock offset: 2.014 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-06-30 20:25:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.08 Mbit/s
95th percentile per-packet one-way delay: 1.378 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 212.23 Mbit/s
95th percentile per-packet one-way delay: 1.367 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 176.61 Mbit/s
95th percentile per-packet one-way delay: 1.380 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 121.04 Mbit/s
95th percentile per-packet one-way delay: 1.408 ms
Loss rate: 0.21%

Run 5: Report of TaoVA-100x — Data Link



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-30 16:46:32

End at: 2018-06-30 16:47:02

Local clock offset: -0.133 ms

Remote clock offset: 2.229 ms

Below is generated by plot.py at 2018-06-30 20:25:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 399.88 Mbit/s

95th percentile per-packet one-way delay: 0.870 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 229.16 Mbit/s

95th percentile per-packet one-way delay: 0.814 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 197.58 Mbit/s

95th percentile per-packet one-way delay: 0.842 ms

Loss rate: 0.04%

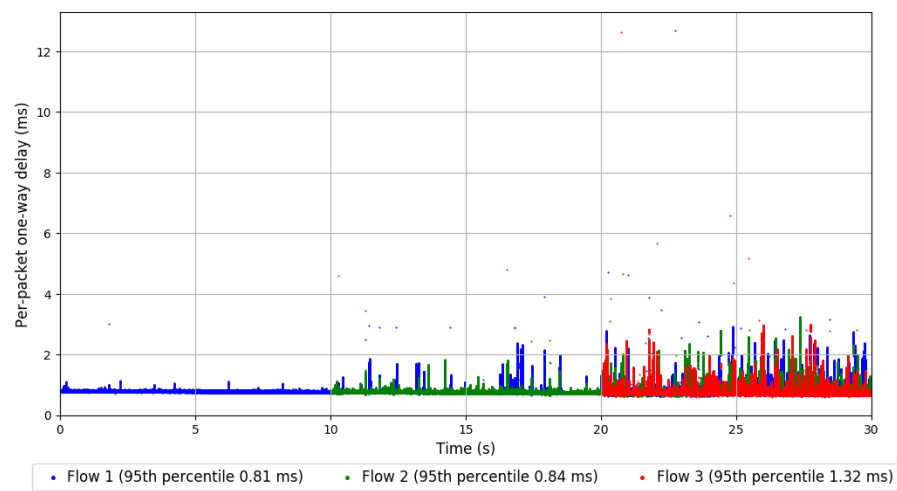
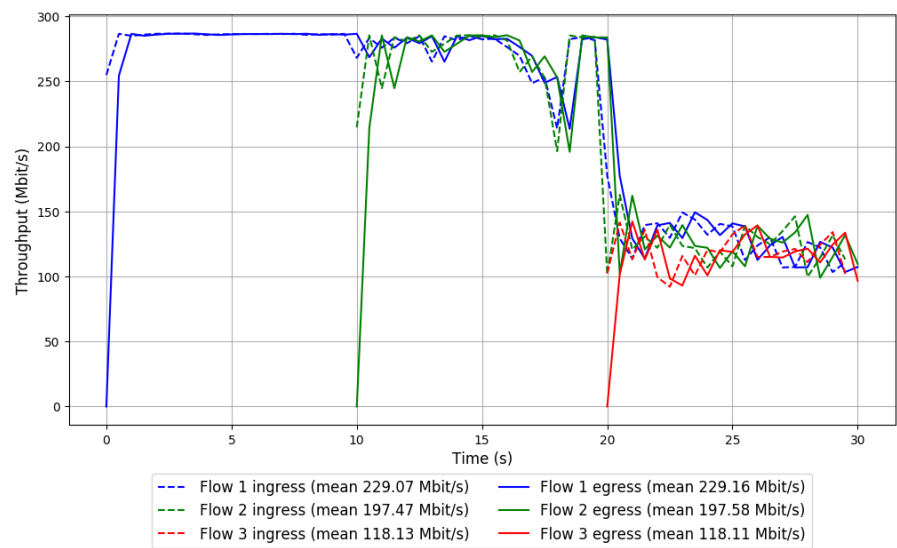
-- Flow 3:

Average throughput: 118.11 Mbit/s

95th percentile per-packet one-way delay: 1.321 ms

Loss rate: 0.25%

Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-30 17:13:11

End at: 2018-06-30 17:13:41

Local clock offset: 3.402 ms

Remote clock offset: 3.908 ms

Below is generated by plot.py at 2018-06-30 20:25:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 404.68 Mbit/s

95th percentile per-packet one-way delay: 1.047 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 228.72 Mbit/s

95th percentile per-packet one-way delay: 1.039 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 204.96 Mbit/s

95th percentile per-packet one-way delay: 1.029 ms

Loss rate: 0.06%

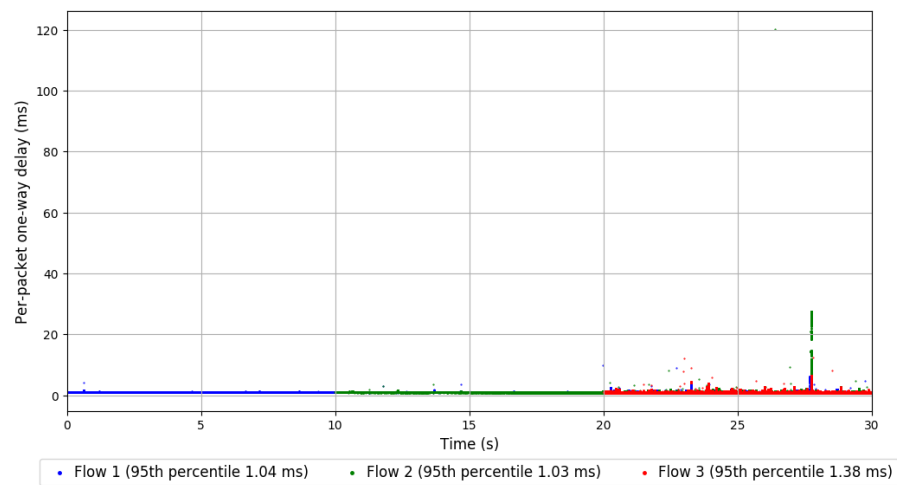
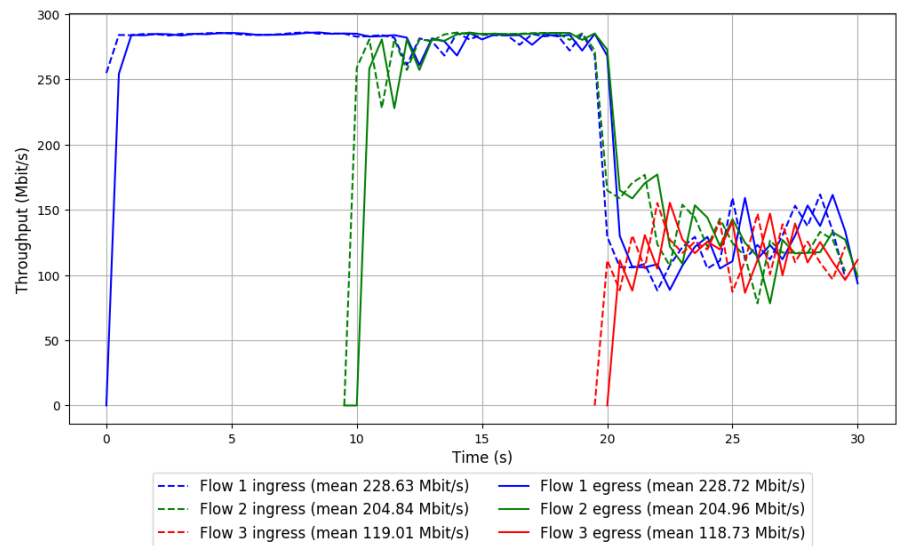
-- Flow 3:

Average throughput: 118.73 Mbit/s

95th percentile per-packet one-way delay: 1.378 ms

Loss rate: 0.44%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 17:39:47

End at: 2018-06-30 17:40:17

Local clock offset: 0.064 ms

Remote clock offset: 3.474 ms

Below is generated by plot.py at 2018-06-30 20:25:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 405.13 Mbit/s

95th percentile per-packet one-way delay: 1.072 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 231.80 Mbit/s

95th percentile per-packet one-way delay: 1.035 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 199.78 Mbit/s

95th percentile per-packet one-way delay: 1.073 ms

Loss rate: 0.03%

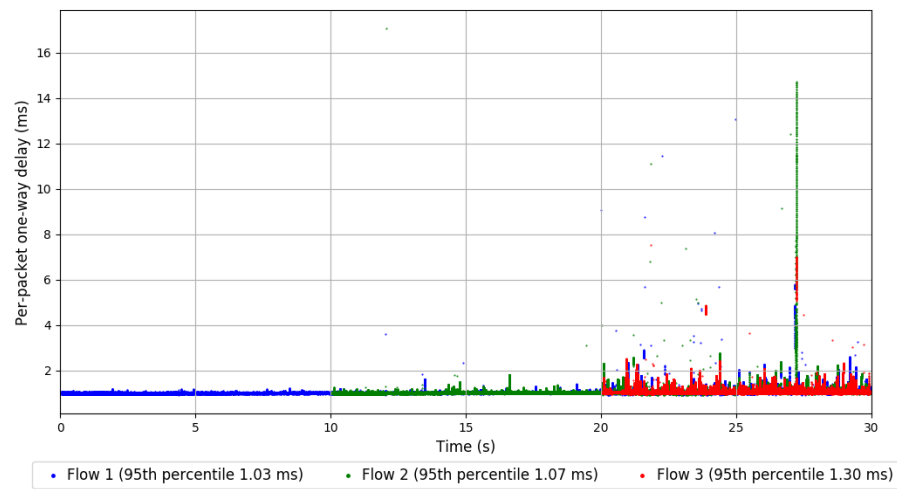
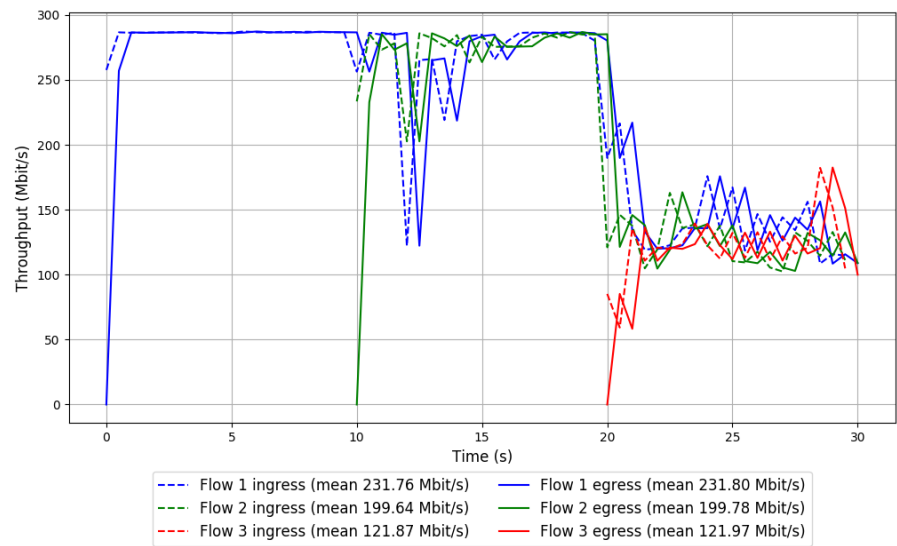
-- Flow 3:

Average throughput: 121.97 Mbit/s

95th percentile per-packet one-way delay: 1.300 ms

Loss rate: 0.22%

Run 8: Report of TaoVA-100x — Data Link

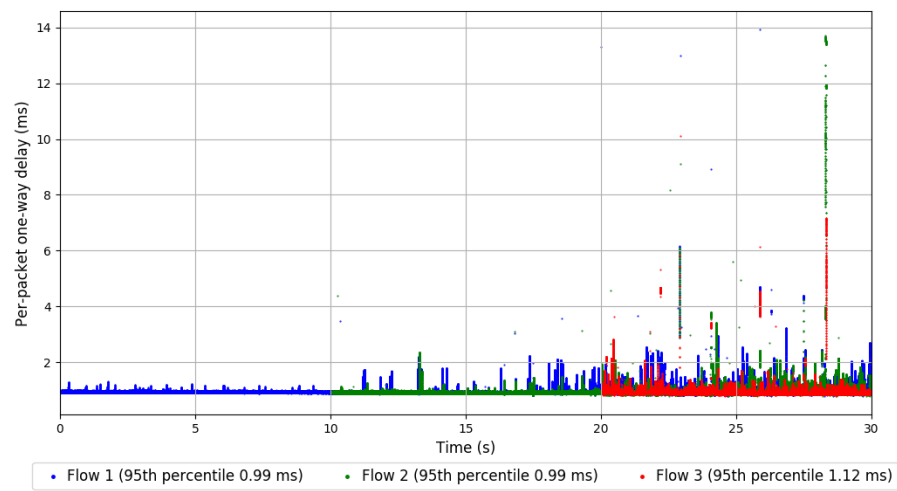
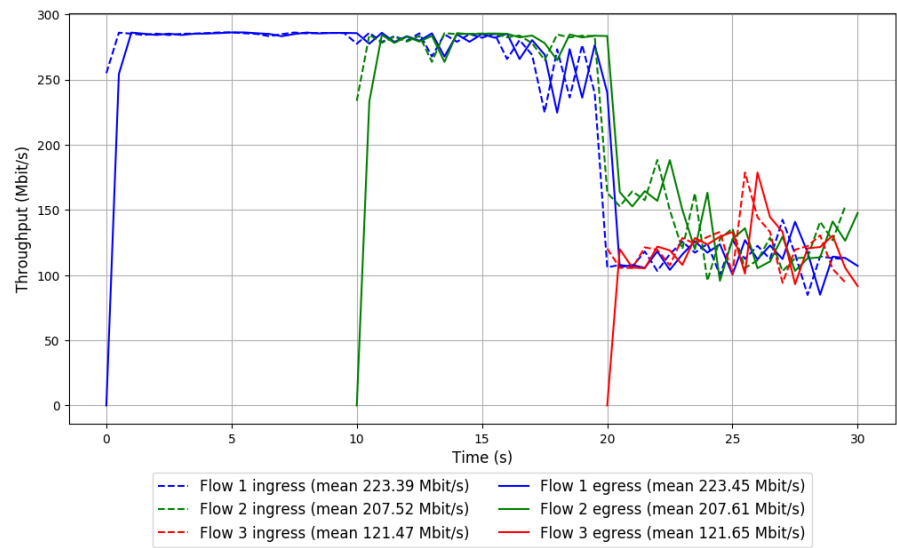


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 18:06:15
End at: 2018-06-30 18:06:45
Local clock offset: 3.696 ms
Remote clock offset: -0.486 ms

Below is generated by plot.py at 2018-06-30 20:33:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.94 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 223.45 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 207.61 Mbit/s
95th percentile per-packet one-way delay: 0.987 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 121.65 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.12%

Run 9: Report of TaoVA-100x — Data Link

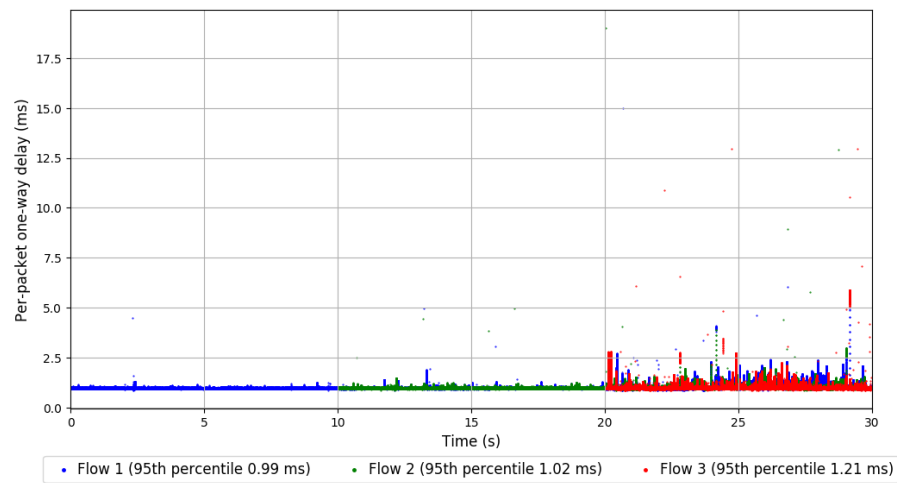
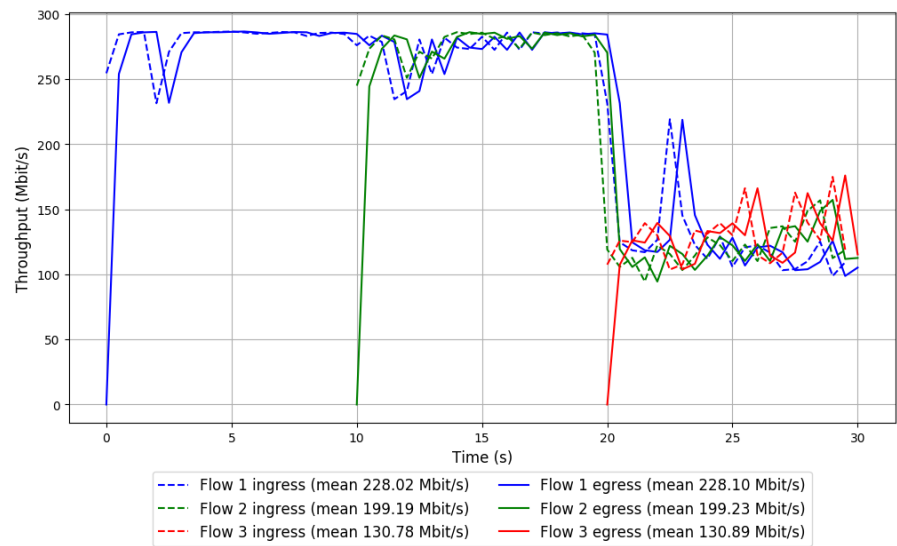


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 18:32:51
End at: 2018-06-30 18:33:21
Local clock offset: 3.552 ms
Remote clock offset: -0.772 ms

Below is generated by plot.py at 2018-06-30 20:33:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.08 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 228.10 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 199.23 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 130.89 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.15%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: 2018-06-30 14:22:51

End at: 2018-06-30 14:23:21

Local clock offset: 3.269 ms

Remote clock offset: 3.014 ms

Below is generated by plot.py at 2018-06-30 20:33:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 495.57 Mbit/s

95th percentile per-packet one-way delay: 1.448 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 326.27 Mbit/s

95th percentile per-packet one-way delay: 1.426 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 125.63 Mbit/s

95th percentile per-packet one-way delay: 1.364 ms

Loss rate: 0.05%

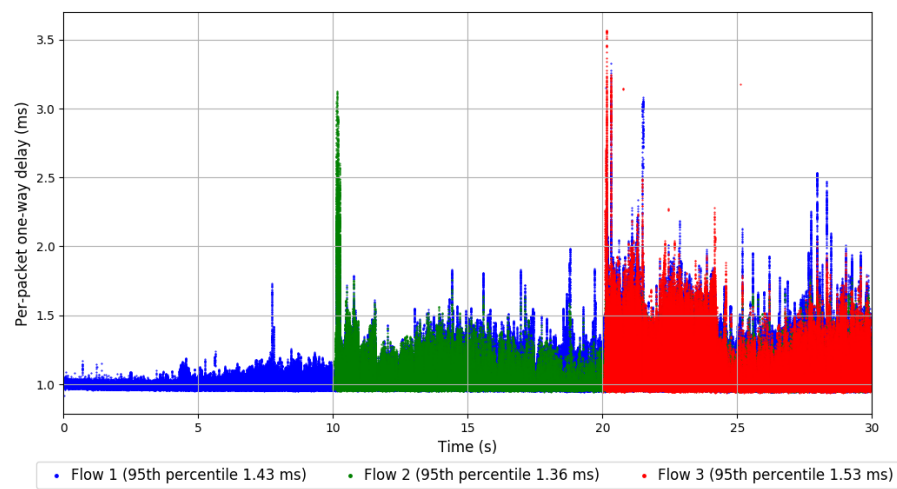
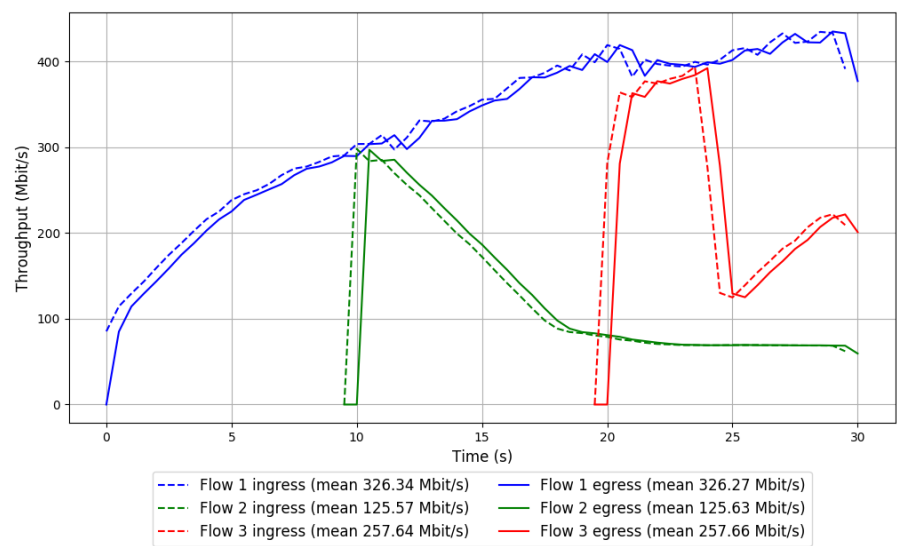
-- Flow 3:

Average throughput: 257.66 Mbit/s

95th percentile per-packet one-way delay: 1.529 ms

Loss rate: 0.17%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-30 14:49:25

End at: 2018-06-30 14:49:55

Local clock offset: 1.96 ms

Remote clock offset: 3.003 ms

Below is generated by plot.py at 2018-06-30 20:33:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 703.69 Mbit/s

95th percentile per-packet one-way delay: 2.804 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 263.32 Mbit/s

95th percentile per-packet one-way delay: 2.115 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 527.14 Mbit/s

95th percentile per-packet one-way delay: 3.659 ms

Loss rate: 0.08%

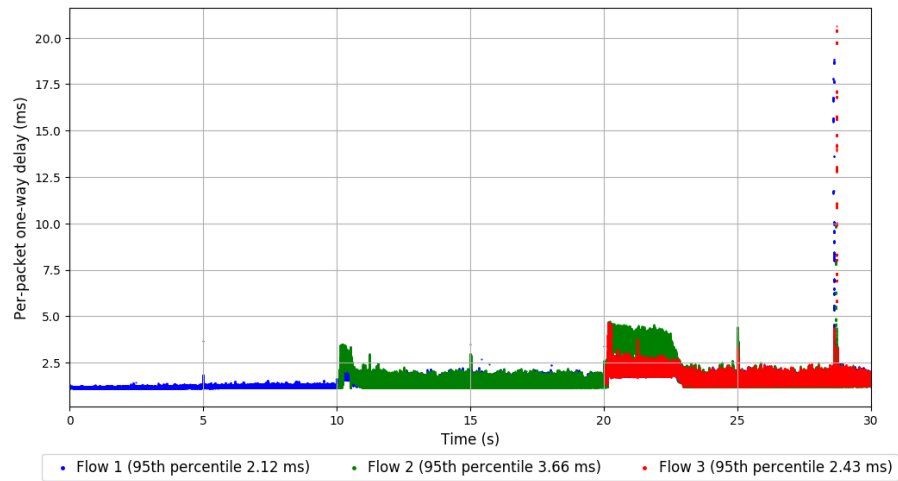
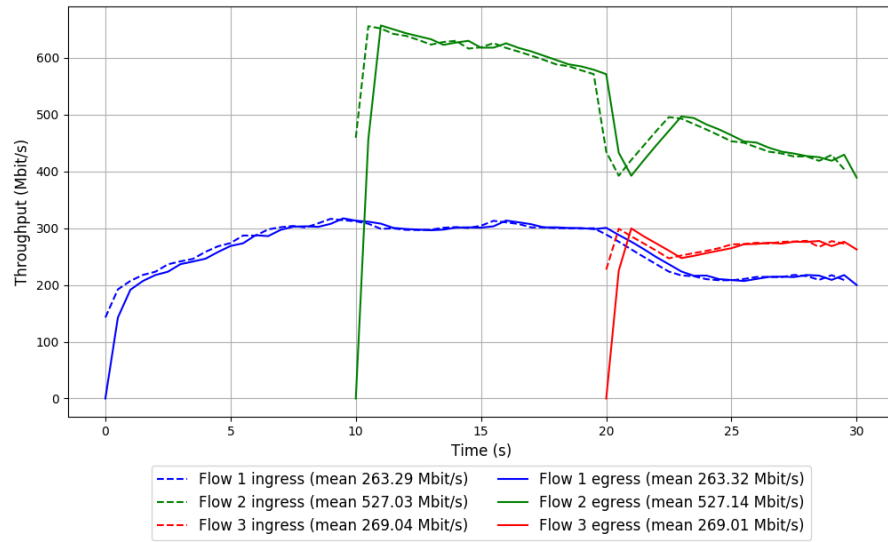
-- Flow 3:

Average throughput: 269.01 Mbit/s

95th percentile per-packet one-way delay: 2.433 ms

Loss rate: 0.21%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-30 15:16:03

End at: 2018-06-30 15:16:33

Local clock offset: -0.383 ms

Remote clock offset: 3.158 ms

Below is generated by plot.py at 2018-06-30 20:33:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 566.73 Mbit/s

95th percentile per-packet one-way delay: 1.315 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 280.23 Mbit/s

95th percentile per-packet one-way delay: 1.203 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 275.81 Mbit/s

95th percentile per-packet one-way delay: 1.322 ms

Loss rate: 0.10%

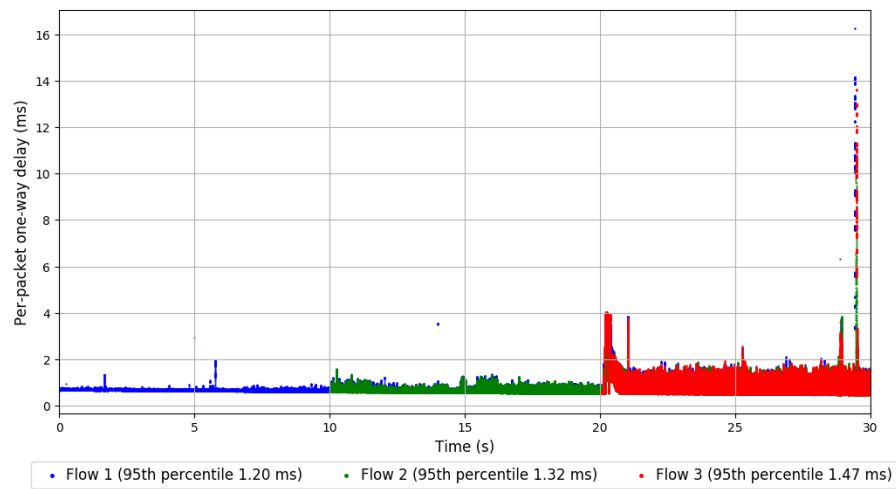
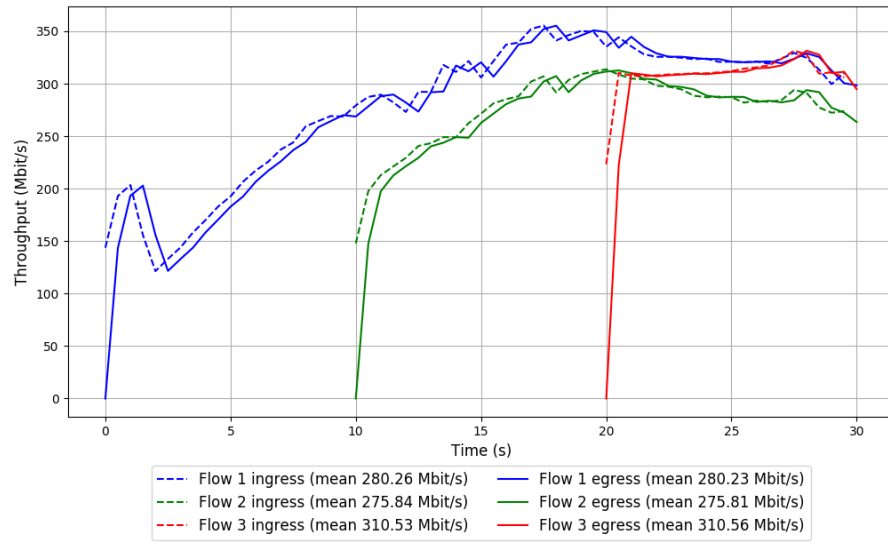
-- Flow 3:

Average throughput: 310.56 Mbit/s

95th percentile per-packet one-way delay: 1.474 ms

Loss rate: 0.18%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-30 15:42:34

End at: 2018-06-30 15:43:04

Local clock offset: 3.671 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-06-30 20:33:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 598.59 Mbit/s

95th percentile per-packet one-way delay: 1.549 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 298.52 Mbit/s

95th percentile per-packet one-way delay: 1.482 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 268.76 Mbit/s

95th percentile per-packet one-way delay: 1.505 ms

Loss rate: 0.11%

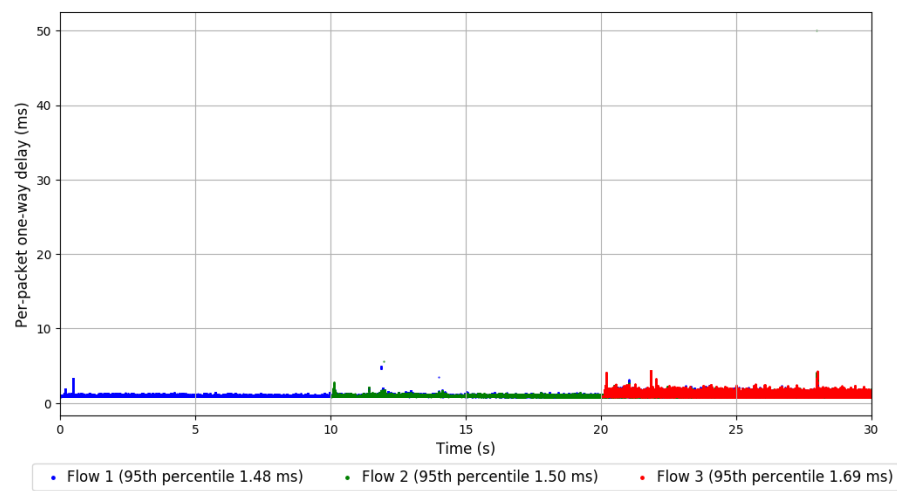
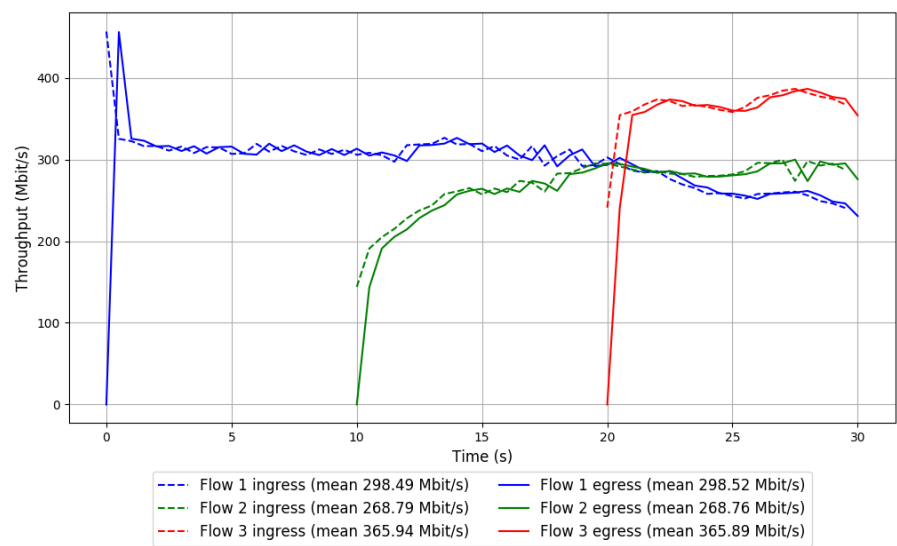
-- Flow 3:

Average throughput: 365.89 Mbit/s

95th percentile per-packet one-way delay: 1.687 ms

Loss rate: 0.20%

Run 4: Report of TCP Vegas — Data Link

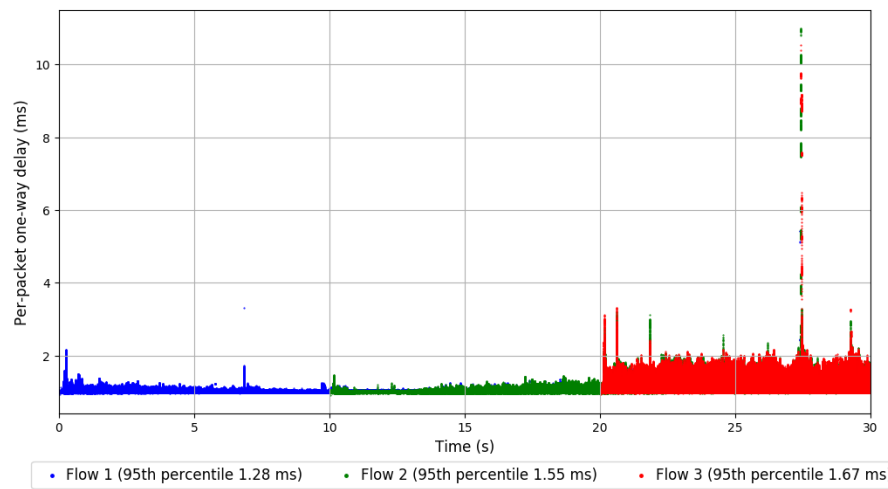
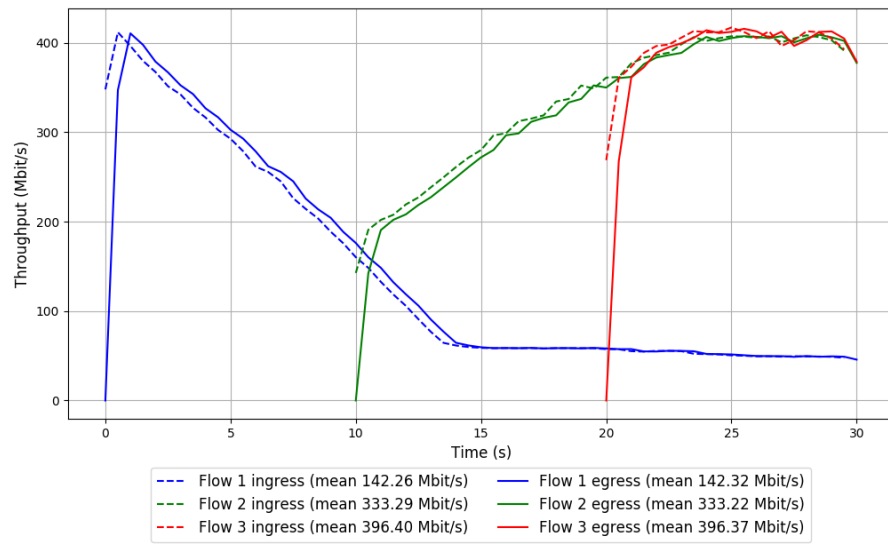


Run 5: Statistics of TCP Vegas

Start at: 2018-06-30 16:09:06
End at: 2018-06-30 16:09:36
Local clock offset: 3.312 ms
Remote clock offset: -0.474 ms

Below is generated by plot.py at 2018-06-30 20:33:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 495.75 Mbit/s
95th percentile per-packet one-way delay: 1.582 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 142.32 Mbit/s
95th percentile per-packet one-way delay: 1.280 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 333.22 Mbit/s
95th percentile per-packet one-way delay: 1.555 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 396.37 Mbit/s
95th percentile per-packet one-way delay: 1.674 ms
Loss rate: 0.19%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-30 16:35:33

End at: 2018-06-30 16:36:03

Local clock offset: 0.024 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-06-30 20:33:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 681.79 Mbit/s

95th percentile per-packet one-way delay: 1.907 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 372.06 Mbit/s

95th percentile per-packet one-way delay: 1.875 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 353.85 Mbit/s

95th percentile per-packet one-way delay: 1.910 ms

Loss rate: 0.09%

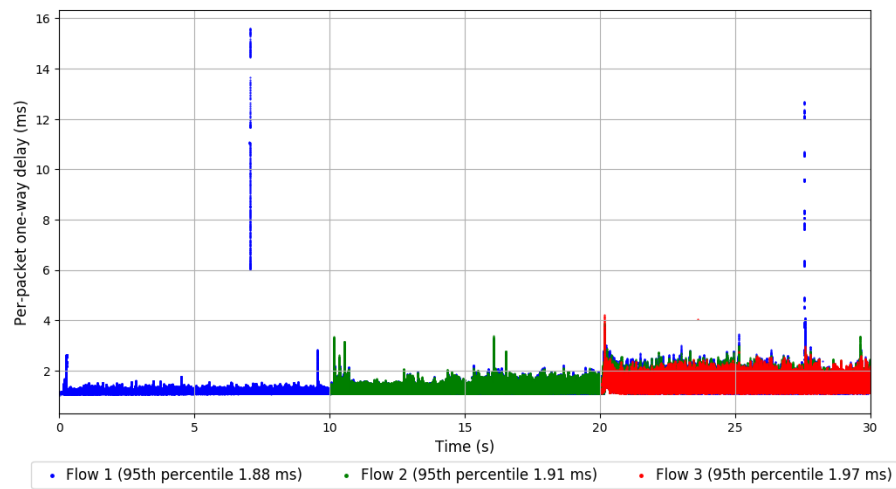
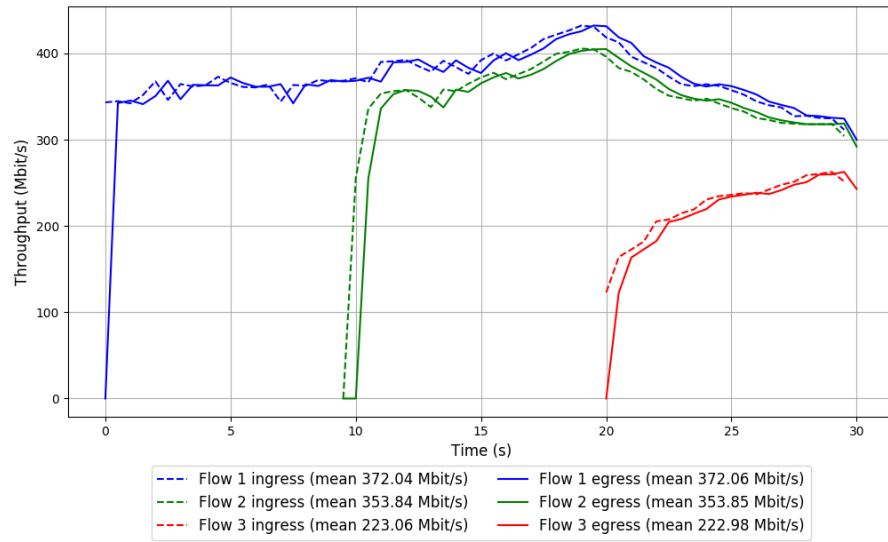
-- Flow 3:

Average throughput: 222.98 Mbit/s

95th percentile per-packet one-way delay: 1.974 ms

Loss rate: 0.22%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-30 17:02:06

End at: 2018-06-30 17:02:36

Local clock offset: 2.838 ms

Remote clock offset: 3.748 ms

Below is generated by plot.py at 2018-06-30 20:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 728.37 Mbit/s

95th percentile per-packet one-way delay: 2.163 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 305.55 Mbit/s

95th percentile per-packet one-way delay: 1.734 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 538.50 Mbit/s

95th percentile per-packet one-way delay: 2.540 ms

Loss rate: 0.08%

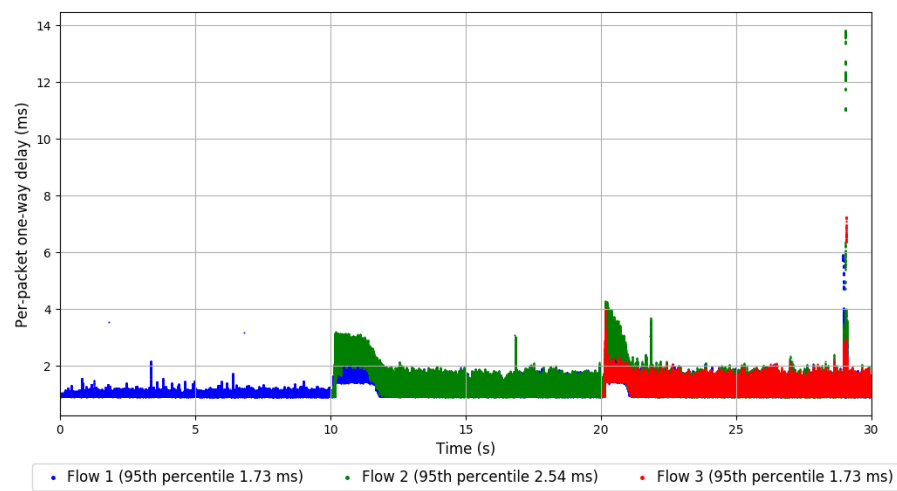
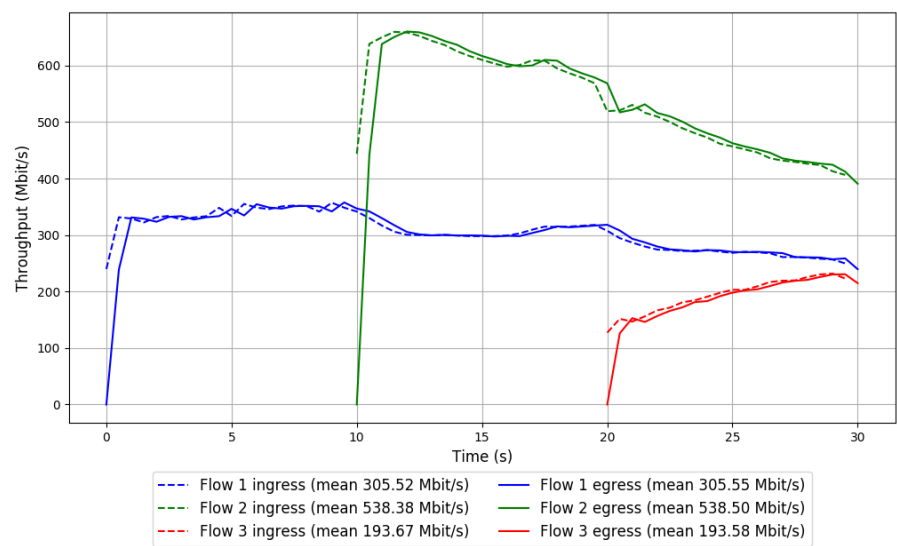
-- Flow 3:

Average throughput: 193.58 Mbit/s

95th percentile per-packet one-way delay: 1.728 ms

Loss rate: 0.24%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-30 17:28:47

End at: 2018-06-30 17:29:17

Local clock offset: 0.821 ms

Remote clock offset: 3.408 ms

Below is generated by plot.py at 2018-06-30 20:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 615.56 Mbit/s

95th percentile per-packet one-way delay: 2.024 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 298.32 Mbit/s

95th percentile per-packet one-way delay: 1.873 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 317.07 Mbit/s

95th percentile per-packet one-way delay: 2.055 ms

Loss rate: 0.08%

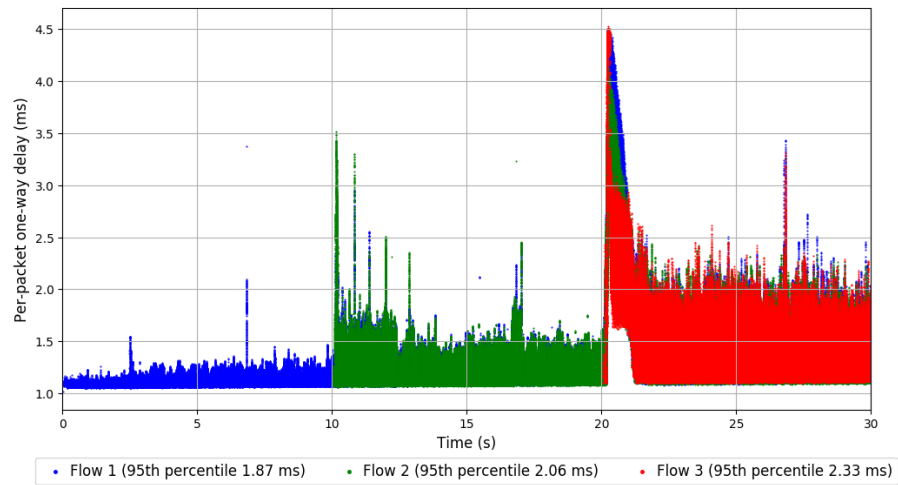
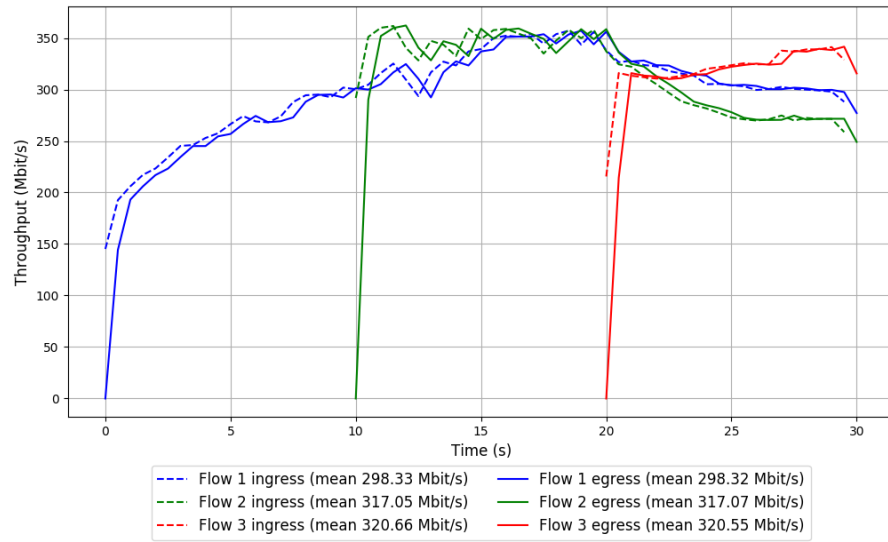
-- Flow 3:

Average throughput: 320.55 Mbit/s

95th percentile per-packet one-way delay: 2.331 ms

Loss rate: 0.22%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 17:55:28

End at: 2018-06-30 17:55:58

Local clock offset: 2.626 ms

Remote clock offset: 0.647 ms

Below is generated by plot.py at 2018-06-30 20:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.17 Mbit/s

95th percentile per-packet one-way delay: 0.980 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 123.16 Mbit/s

95th percentile per-packet one-way delay: 1.004 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 118.64 Mbit/s

95th percentile per-packet one-way delay: 0.943 ms

Loss rate: 0.06%

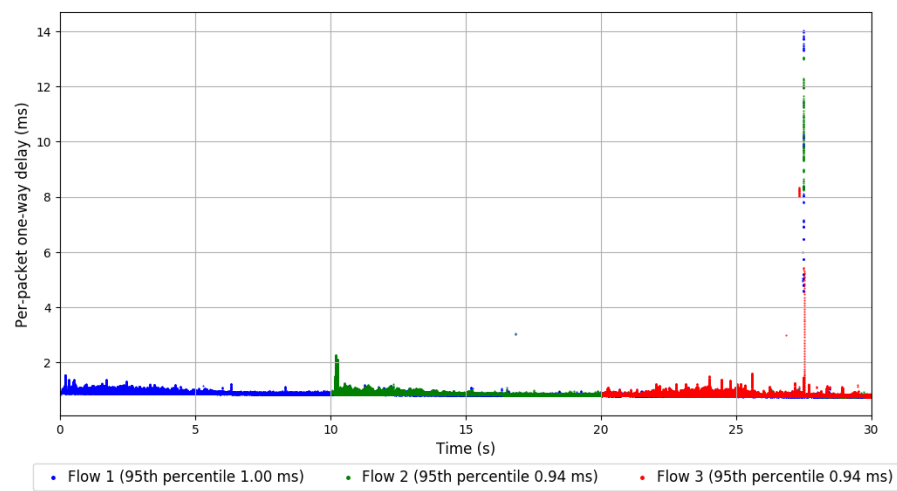
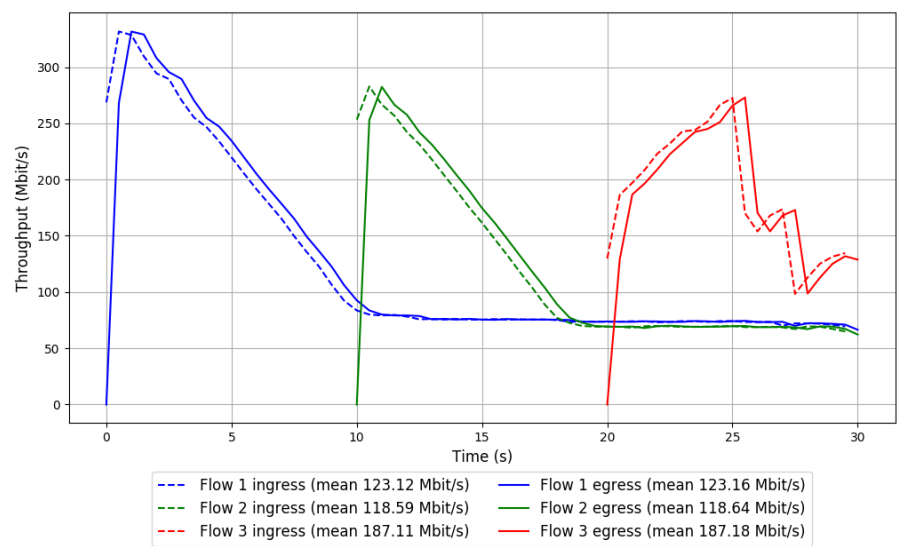
-- Flow 3:

Average throughput: 187.18 Mbit/s

95th percentile per-packet one-way delay: 0.935 ms

Loss rate: 0.16%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 18:21:48

End at: 2018-06-30 18:22:18

Local clock offset: 3.754 ms

Remote clock offset: -1.08 ms

Below is generated by plot.py at 2018-06-30 20:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 615.04 Mbit/s

95th percentile per-packet one-way delay: 1.750 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 251.65 Mbit/s

95th percentile per-packet one-way delay: 1.630 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 365.64 Mbit/s

95th percentile per-packet one-way delay: 1.763 ms

Loss rate: 0.10%

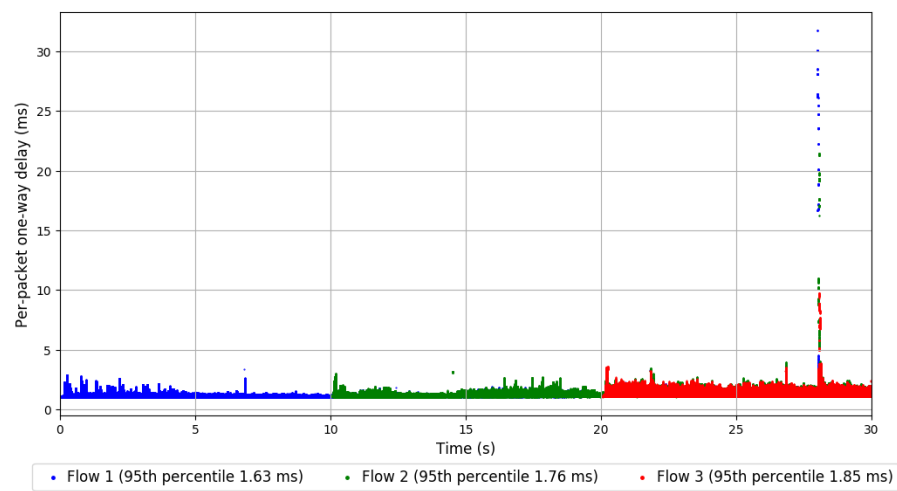
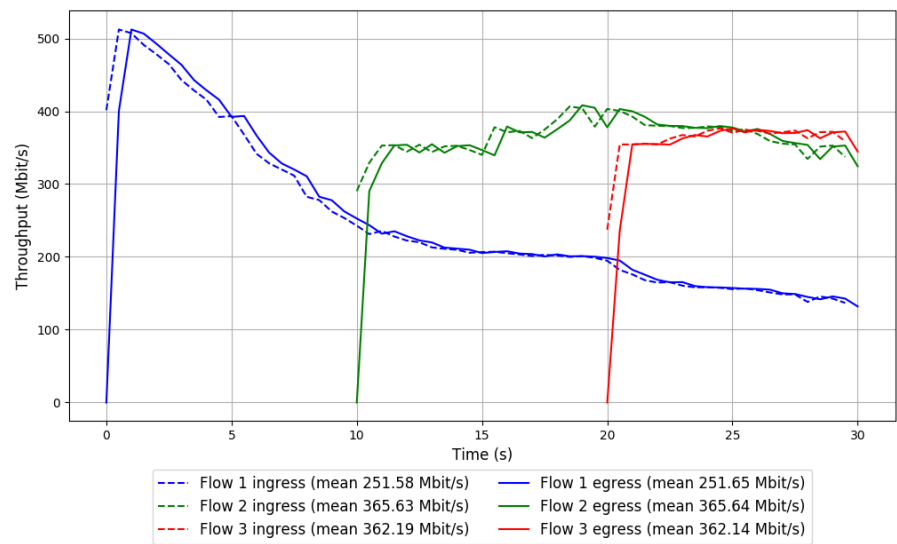
-- Flow 3:

Average throughput: 362.14 Mbit/s

95th percentile per-packet one-way delay: 1.854 ms

Loss rate: 0.21%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-30 14:24:25

End at: 2018-06-30 14:24:55

Local clock offset: 3.319 ms

Remote clock offset: 2.942 ms

Below is generated by plot.py at 2018-06-30 20:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.41 Mbit/s

95th percentile per-packet one-way delay: 7.128 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 191.95 Mbit/s

95th percentile per-packet one-way delay: 7.865 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 142.49 Mbit/s

95th percentile per-packet one-way delay: 1.977 ms

Loss rate: 0.14%

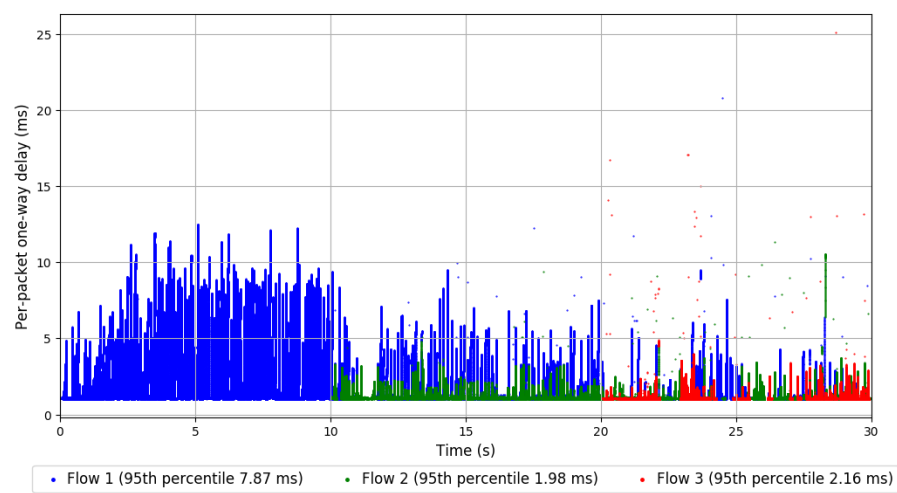
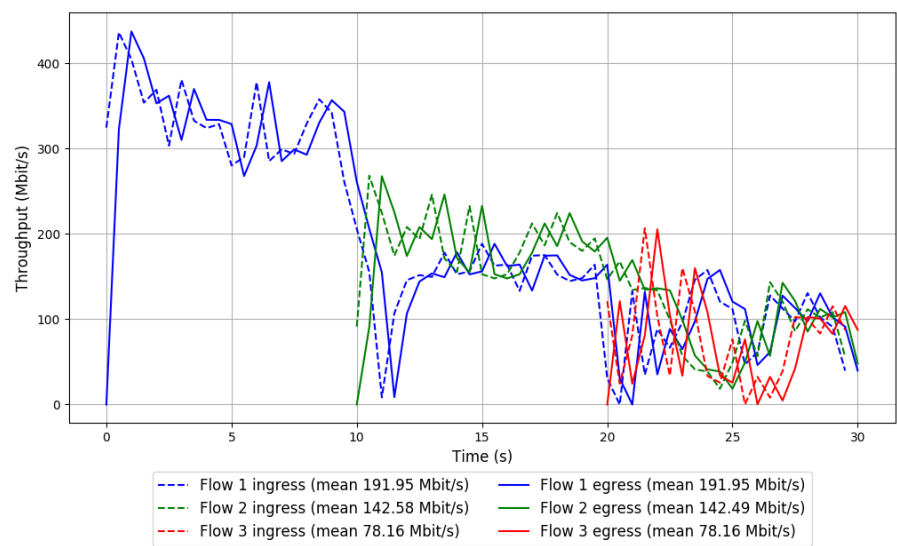
-- Flow 3:

Average throughput: 78.16 Mbit/s

95th percentile per-packet one-way delay: 2.156 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-30 14:51:07

End at: 2018-06-30 14:51:37

Local clock offset: 1.63 ms

Remote clock offset: 2.989 ms

Below is generated by plot.py at 2018-06-30 20:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 236.03 Mbit/s

95th percentile per-packet one-way delay: 4.724 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 151.54 Mbit/s

95th percentile per-packet one-way delay: 5.683 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 67.70 Mbit/s

95th percentile per-packet one-way delay: 3.414 ms

Loss rate: 0.00%

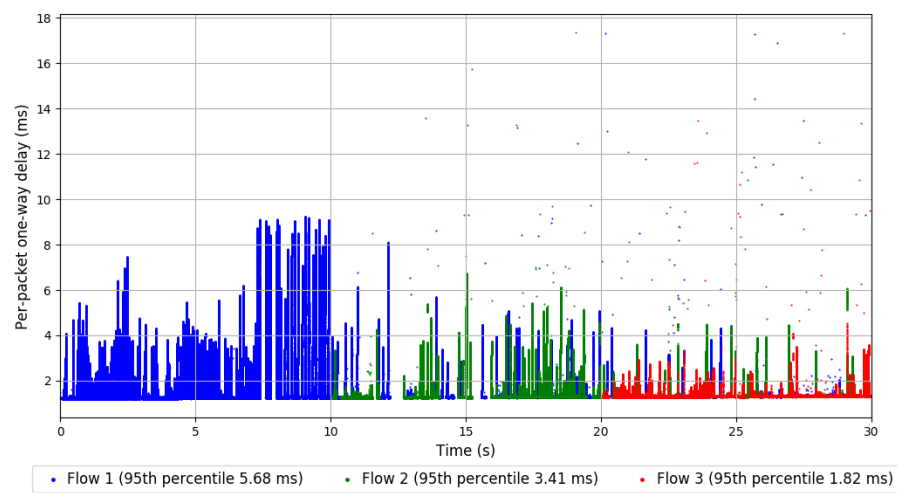
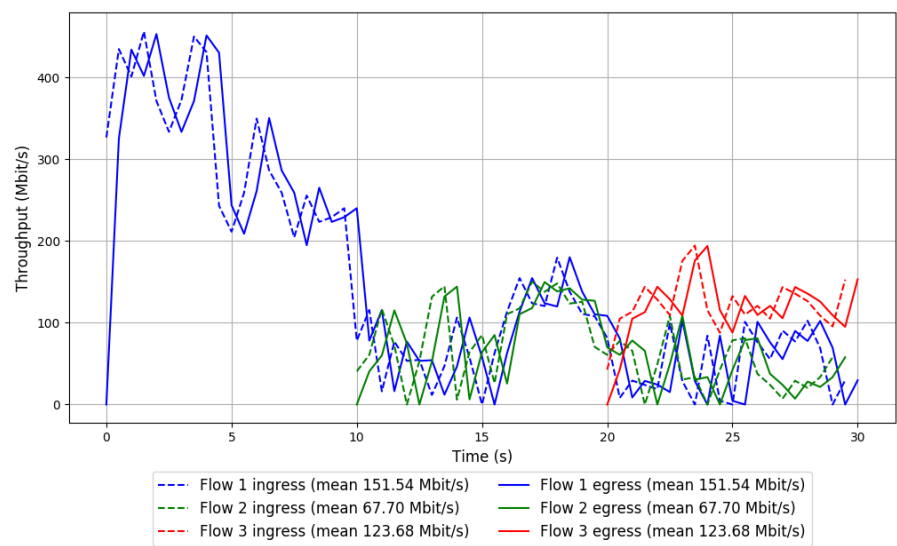
-- Flow 3:

Average throughput: 123.68 Mbit/s

95th percentile per-packet one-way delay: 1.817 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-30 15:17:39

End at: 2018-06-30 15:18:09

Local clock offset: 0.371 ms

Remote clock offset: 3.19 ms

Below is generated by plot.py at 2018-06-30 20:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 363.62 Mbit/s

95th percentile per-packet one-way delay: 2.530 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 227.71 Mbit/s

95th percentile per-packet one-way delay: 2.746 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 141.13 Mbit/s

95th percentile per-packet one-way delay: 2.150 ms

Loss rate: 0.14%

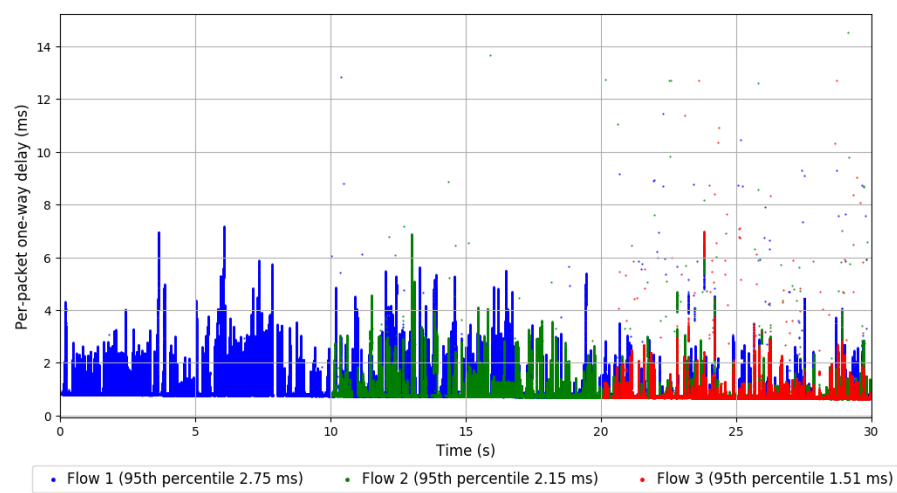
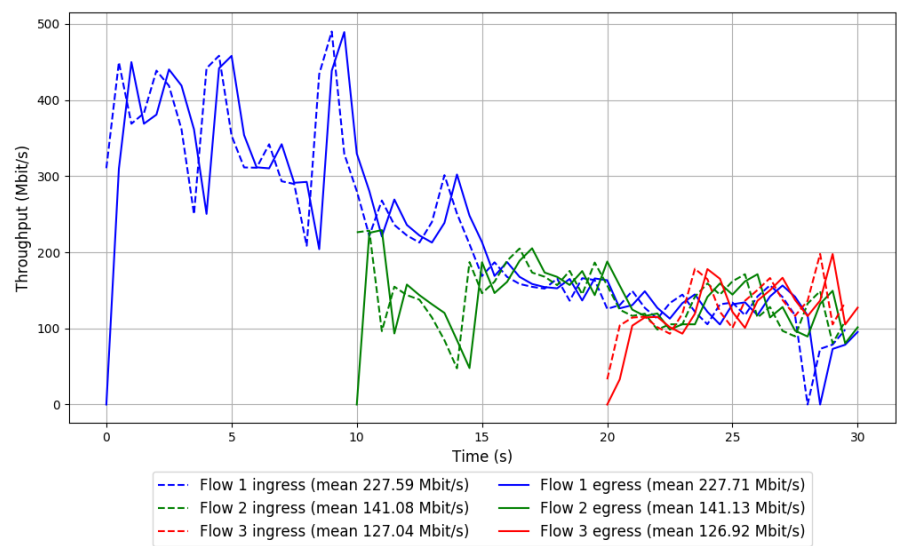
-- Flow 3:

Average throughput: 126.92 Mbit/s

95th percentile per-packet one-way delay: 1.510 ms

Loss rate: 0.28%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-30 15:44:12

End at: 2018-06-30 15:44:42

Local clock offset: 3.727 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-06-30 20:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.32 Mbit/s

95th percentile per-packet one-way delay: 5.604 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 209.85 Mbit/s

95th percentile per-packet one-way delay: 7.103 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 165.84 Mbit/s

95th percentile per-packet one-way delay: 1.980 ms

Loss rate: 0.02%

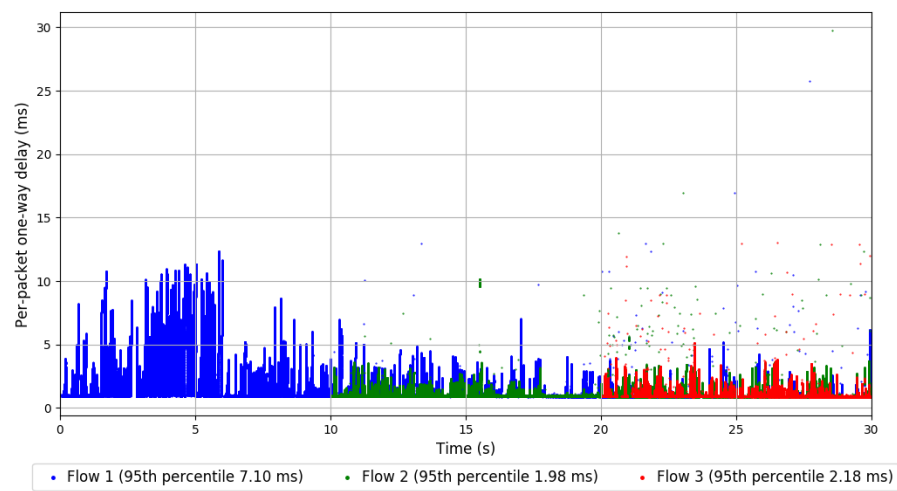
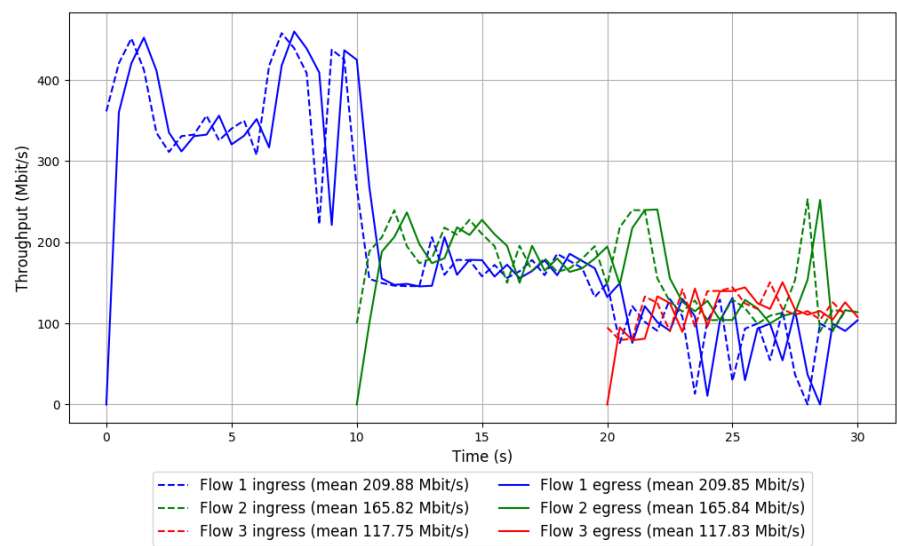
-- Flow 3:

Average throughput: 117.83 Mbit/s

95th percentile per-packet one-way delay: 2.180 ms

Loss rate: 0.13%

Run 4: Report of Verus — Data Link

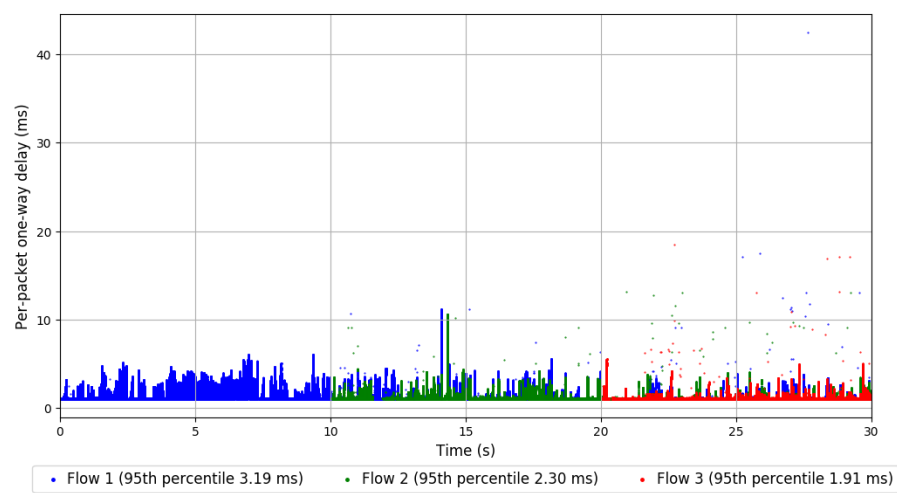
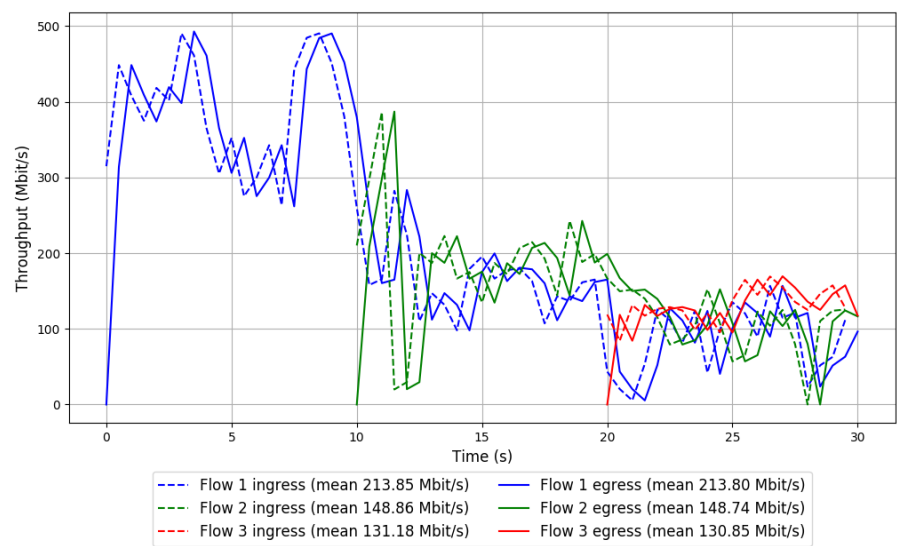


Run 5: Statistics of Verus

Start at: 2018-06-30 16:10:40
End at: 2018-06-30 16:11:10
Local clock offset: 3.299 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-06-30 20:39:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.14 Mbit/s
95th percentile per-packet one-way delay: 2.957 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 213.80 Mbit/s
95th percentile per-packet one-way delay: 3.192 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 148.74 Mbit/s
95th percentile per-packet one-way delay: 2.296 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 130.85 Mbit/s
95th percentile per-packet one-way delay: 1.910 ms
Loss rate: 0.41%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-30 16:37:13

End at: 2018-06-30 16:37:43

Local clock offset: -0.203 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-06-30 20:39:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.17 Mbit/s

95th percentile per-packet one-way delay: 4.550 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 161.56 Mbit/s

95th percentile per-packet one-way delay: 5.603 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 120.19 Mbit/s

95th percentile per-packet one-way delay: 2.520 ms

Loss rate: 0.05%

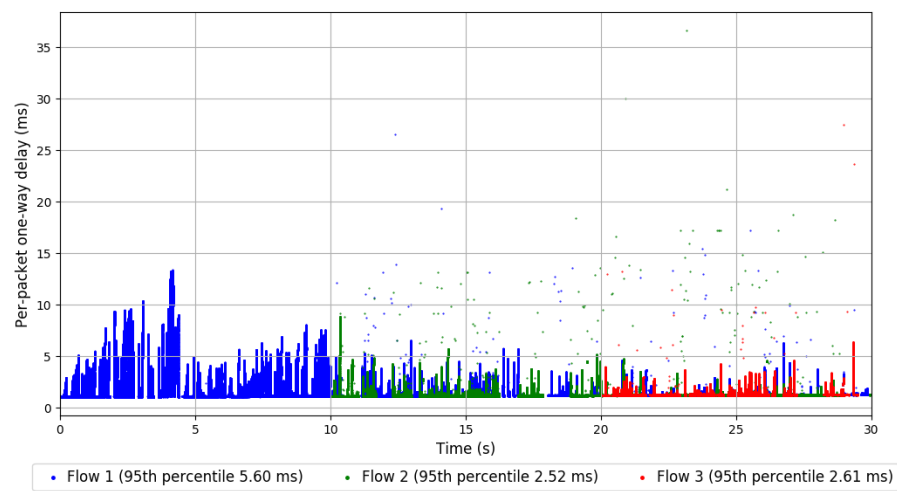
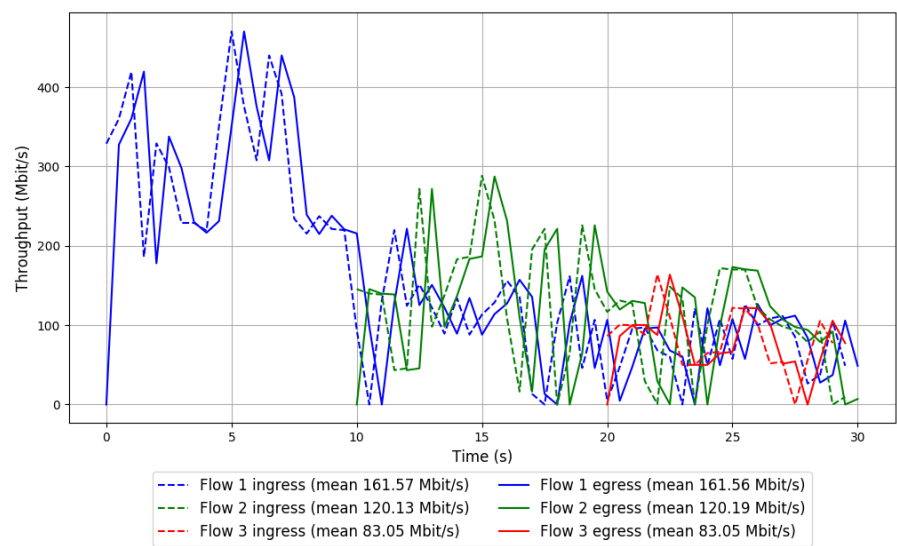
-- Flow 3:

Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 2.613 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-30 17:03:48

End at: 2018-06-30 17:04:18

Local clock offset: 2.981 ms

Remote clock offset: 3.84 ms

Below is generated by plot.py at 2018-06-30 20:40:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 334.09 Mbit/s

95th percentile per-packet one-way delay: 2.968 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 222.51 Mbit/s

95th percentile per-packet one-way delay: 3.120 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 125.59 Mbit/s

95th percentile per-packet one-way delay: 2.782 ms

Loss rate: 0.09%

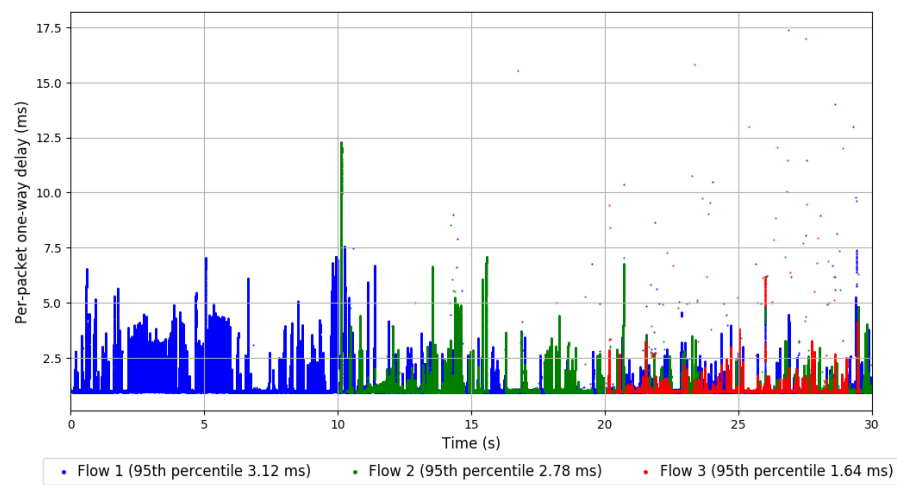
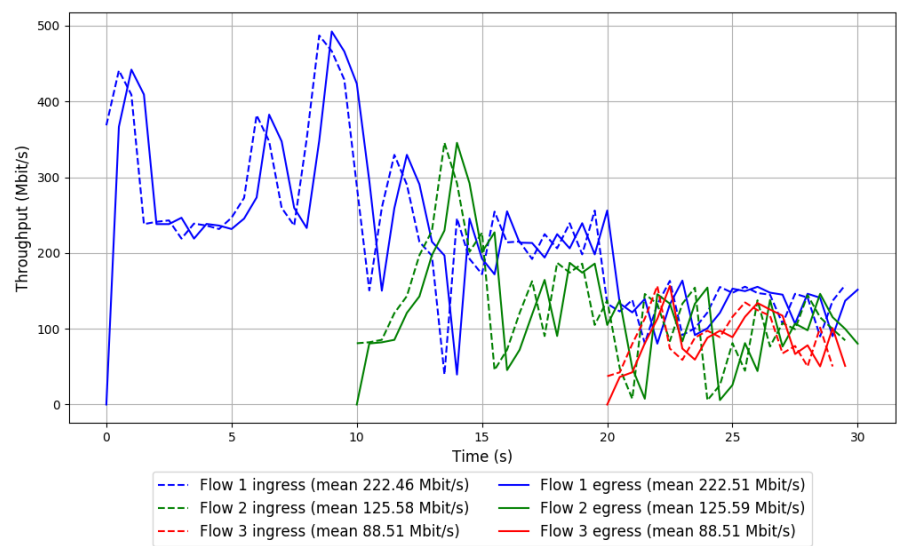
-- Flow 3:

Average throughput: 88.51 Mbit/s

95th percentile per-packet one-way delay: 1.641 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-30 17:30:26

End at: 2018-06-30 17:30:56

Local clock offset: 0.683 ms

Remote clock offset: 3.364 ms

Below is generated by plot.py at 2018-06-30 20:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 335.38 Mbit/s

95th percentile per-packet one-way delay: 5.216 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 200.73 Mbit/s

95th percentile per-packet one-way delay: 5.860 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 142.59 Mbit/s

95th percentile per-packet one-way delay: 1.905 ms

Loss rate: 0.18%

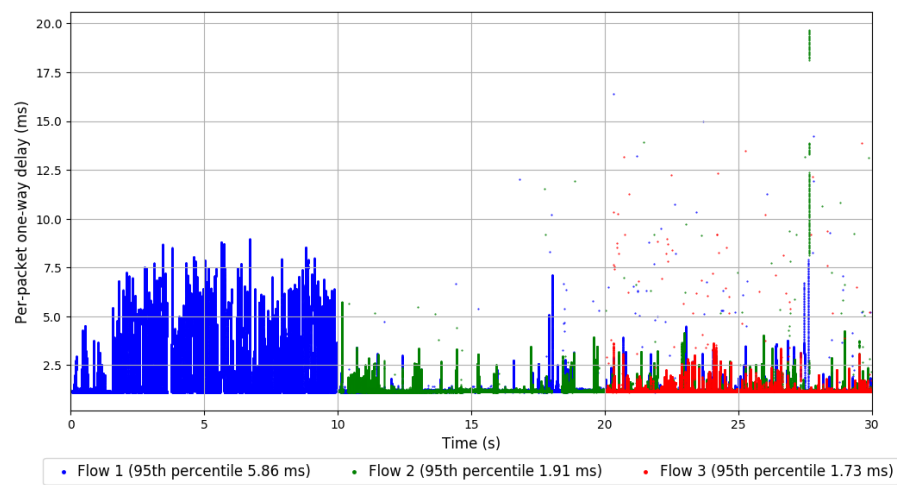
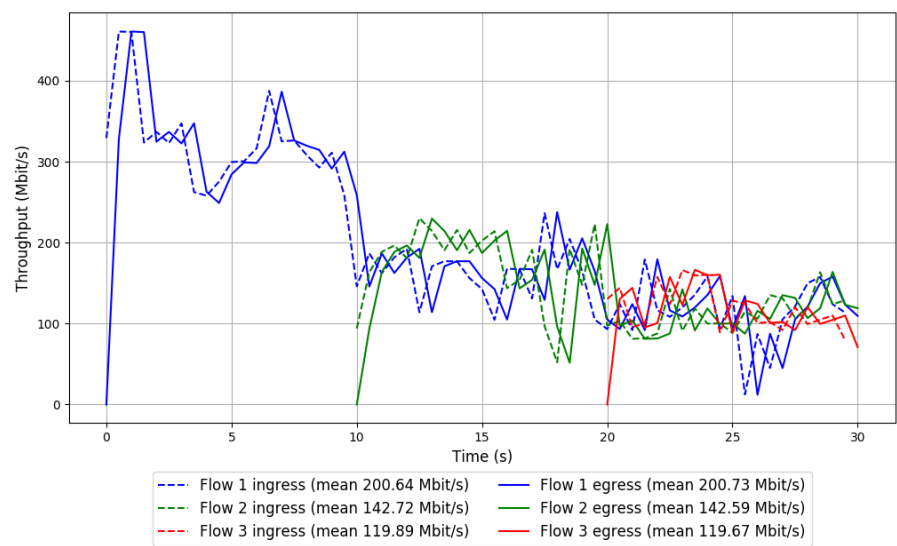
-- Flow 3:

Average throughput: 119.67 Mbit/s

95th percentile per-packet one-way delay: 1.730 ms

Loss rate: 0.37%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-30 17:56:54

End at: 2018-06-30 17:57:24

Local clock offset: 2.842 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-06-30 20:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 315.73 Mbit/s

95th percentile per-packet one-way delay: 4.049 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 197.77 Mbit/s

95th percentile per-packet one-way delay: 5.408 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 116.23 Mbit/s

95th percentile per-packet one-way delay: 1.897 ms

Loss rate: 0.08%

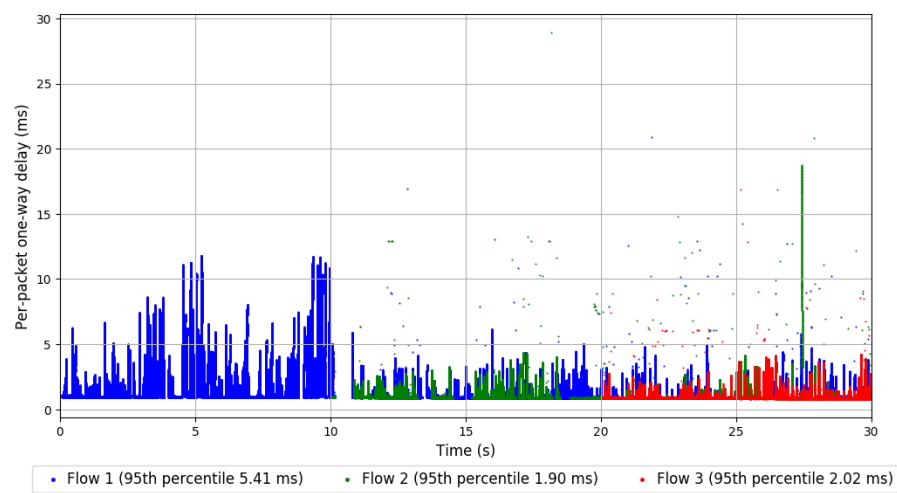
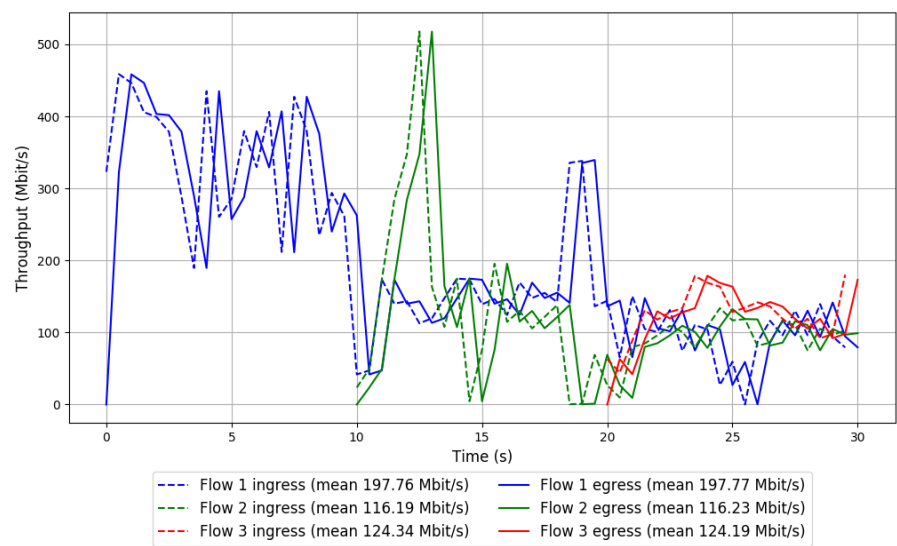
-- Flow 3:

Average throughput: 124.19 Mbit/s

95th percentile per-packet one-way delay: 2.019 ms

Loss rate: 0.29%

Run 9: Report of Verus — Data Link

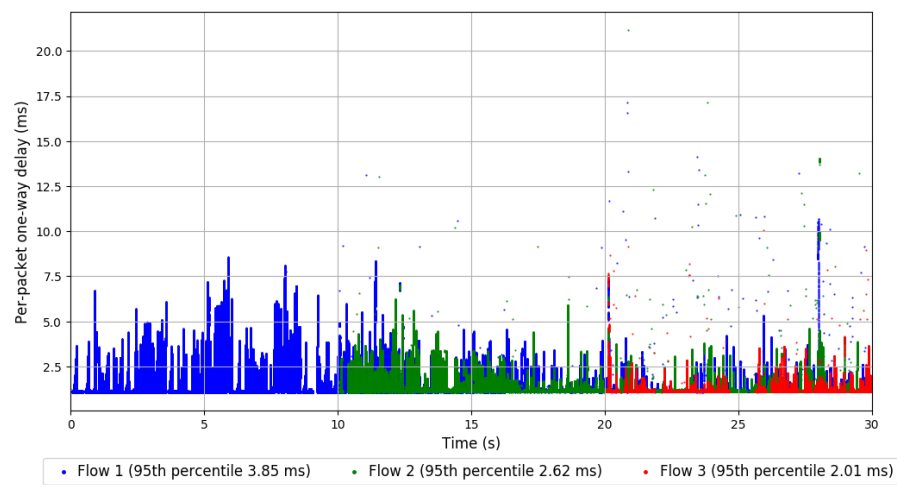
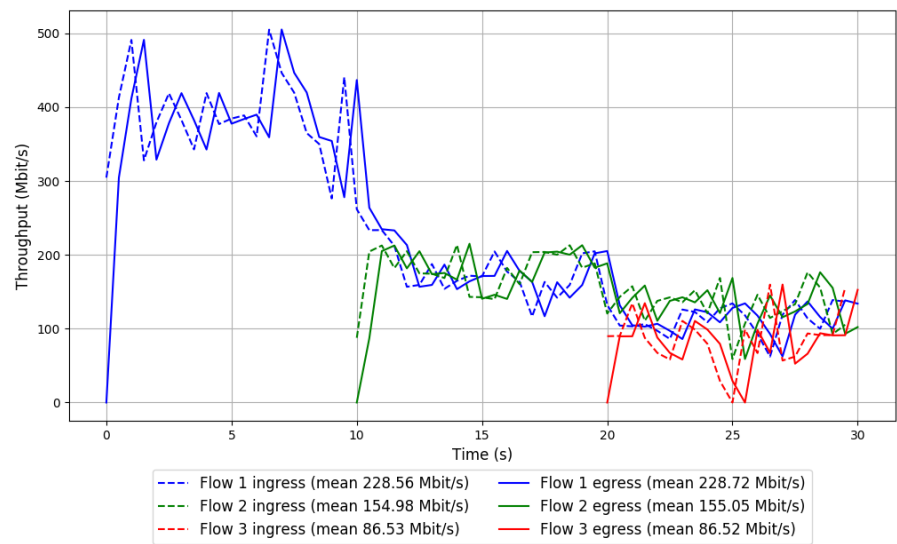


Run 10: Statistics of Verus

Start at: 2018-06-30 18:23:27
End at: 2018-06-30 18:23:57
Local clock offset: 3.717 ms
Remote clock offset: -0.998 ms

Below is generated by plot.py at 2018-06-30 20:42:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.56 Mbit/s
95th percentile per-packet one-way delay: 3.424 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 228.72 Mbit/s
95th percentile per-packet one-way delay: 3.852 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 155.05 Mbit/s
95th percentile per-packet one-way delay: 2.615 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 2.008 ms
Loss rate: 0.20%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-30 14:21:20

End at: 2018-06-30 14:21:50

Local clock offset: 3.304 ms

Remote clock offset: 3.222 ms

Below is generated by plot.py at 2018-06-30 20:42:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 272.32 Mbit/s

95th percentile per-packet one-way delay: 0.896 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 167.81 Mbit/s

95th percentile per-packet one-way delay: 0.893 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 124.08 Mbit/s

95th percentile per-packet one-way delay: 0.908 ms

Loss rate: 0.09%

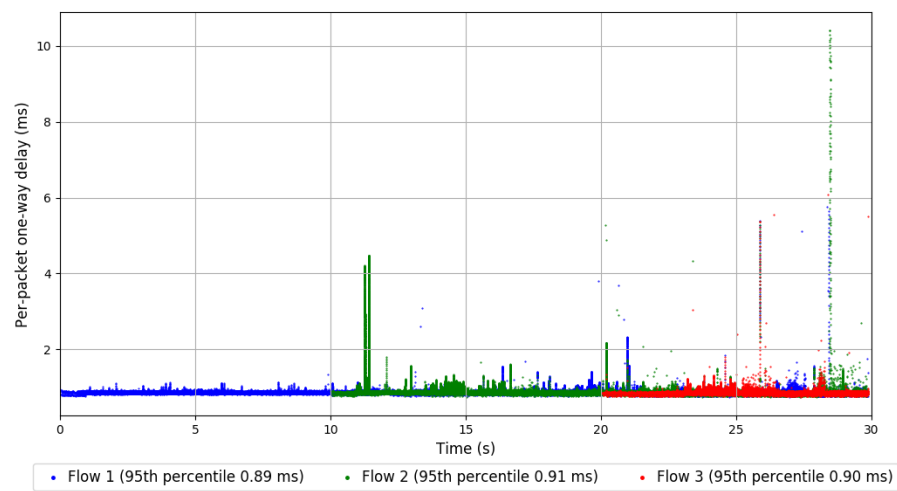
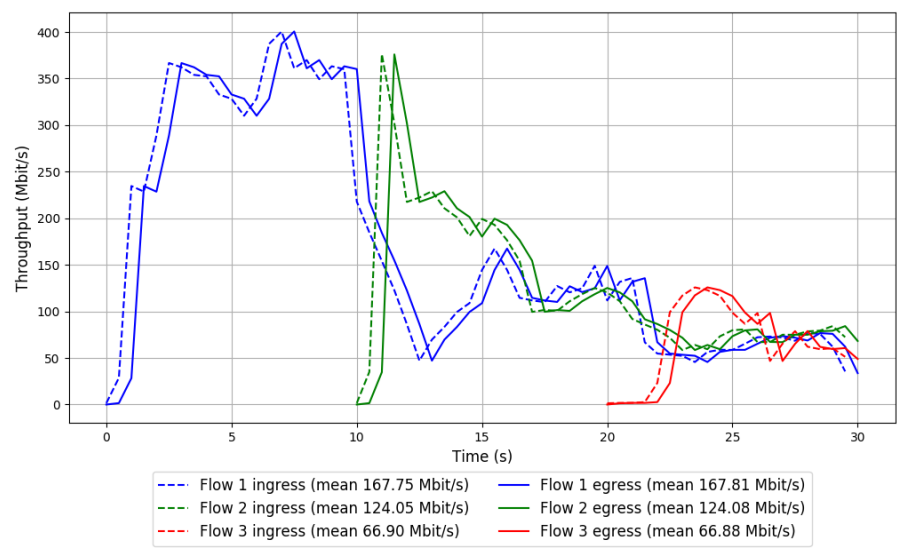
-- Flow 3:

Average throughput: 66.88 Mbit/s

95th percentile per-packet one-way delay: 0.904 ms

Loss rate: 0.17%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-30 14:47:52

End at: 2018-06-30 14:48:22

Local clock offset: 2.287 ms

Remote clock offset: 3.029 ms

Below is generated by plot.py at 2018-06-30 20:42:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.35 Mbit/s

95th percentile per-packet one-way delay: 1.160 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 187.64 Mbit/s

95th percentile per-packet one-way delay: 1.139 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 158.05 Mbit/s

95th percentile per-packet one-way delay: 1.177 ms

Loss rate: 0.06%

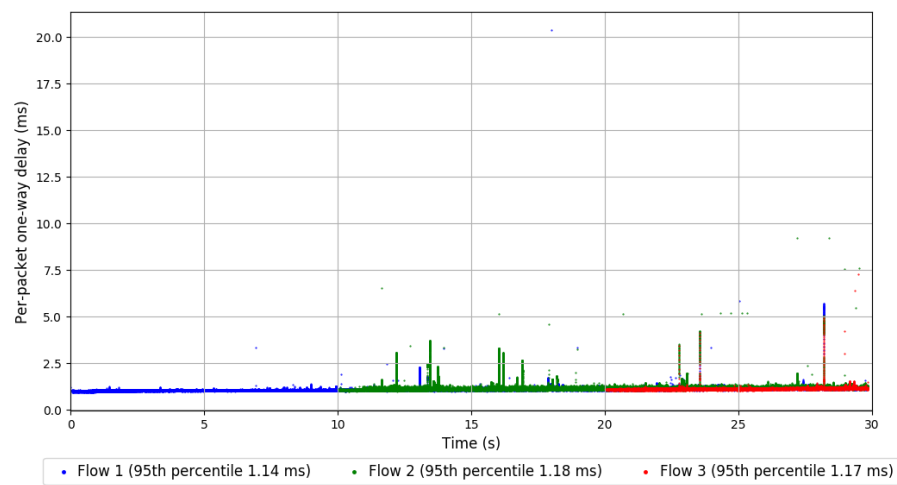
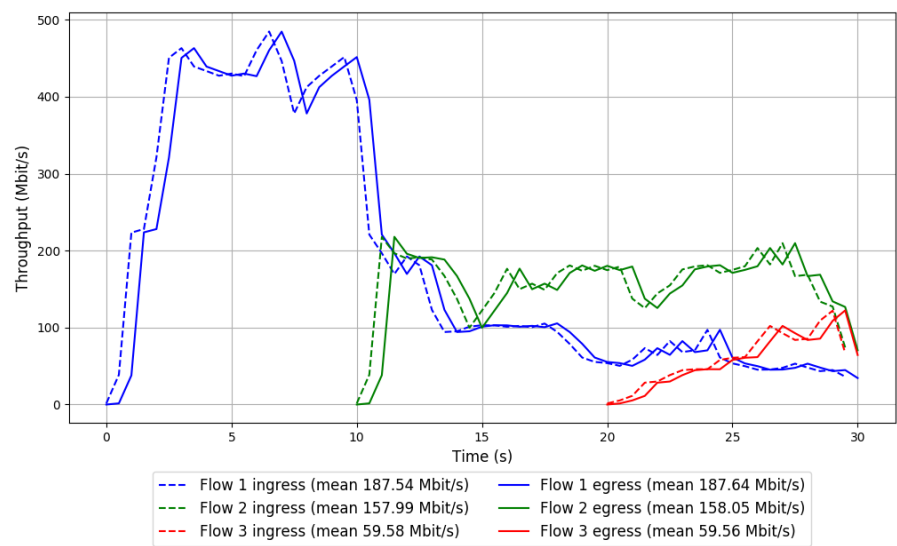
-- Flow 3:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 1.167 ms

Loss rate: 0.22%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-30 15:14:29

End at: 2018-06-30 15:14:59

Local clock offset: -0.509 ms

Remote clock offset: 3.257 ms

Below is generated by plot.py at 2018-06-30 20:43:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 331.45 Mbit/s

95th percentile per-packet one-way delay: 0.999 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 246.12 Mbit/s

95th percentile per-packet one-way delay: 0.995 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 84.33 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.05%

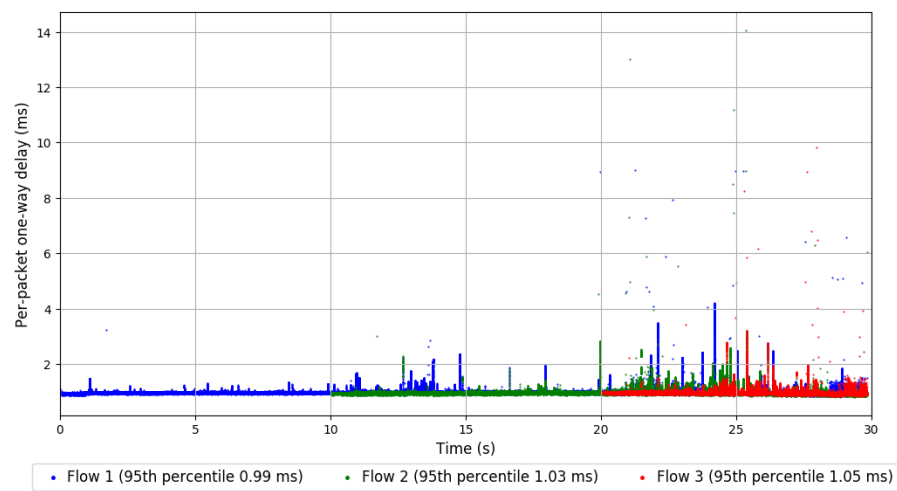
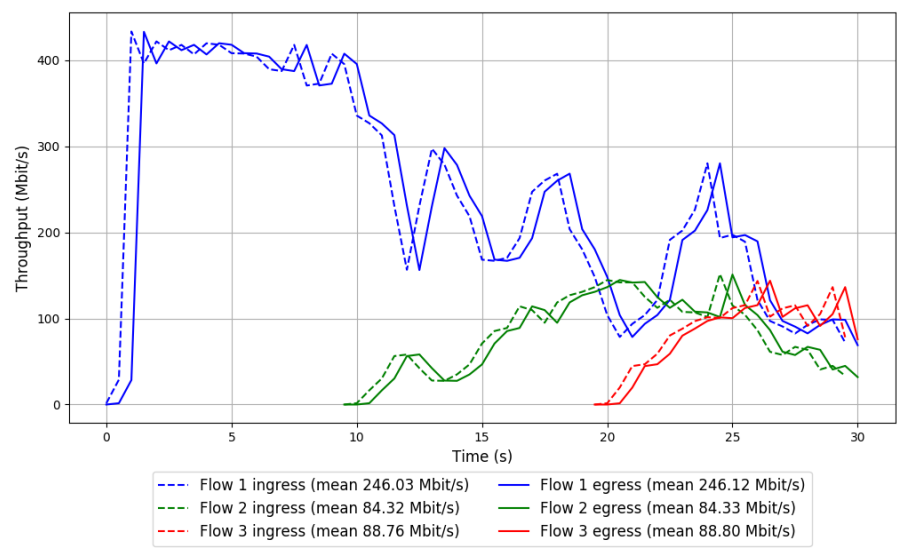
-- Flow 3:

Average throughput: 88.80 Mbit/s

95th percentile per-packet one-way delay: 1.046 ms

Loss rate: 0.15%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-30 15:41:03

End at: 2018-06-30 15:41:33

Local clock offset: 3.692 ms

Remote clock offset: 0.47 ms

Below is generated by plot.py at 2018-06-30 20:43:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.40 Mbit/s

95th percentile per-packet one-way delay: 0.924 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 205.07 Mbit/s

95th percentile per-packet one-way delay: 0.925 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 112.38 Mbit/s

95th percentile per-packet one-way delay: 0.923 ms

Loss rate: 0.06%

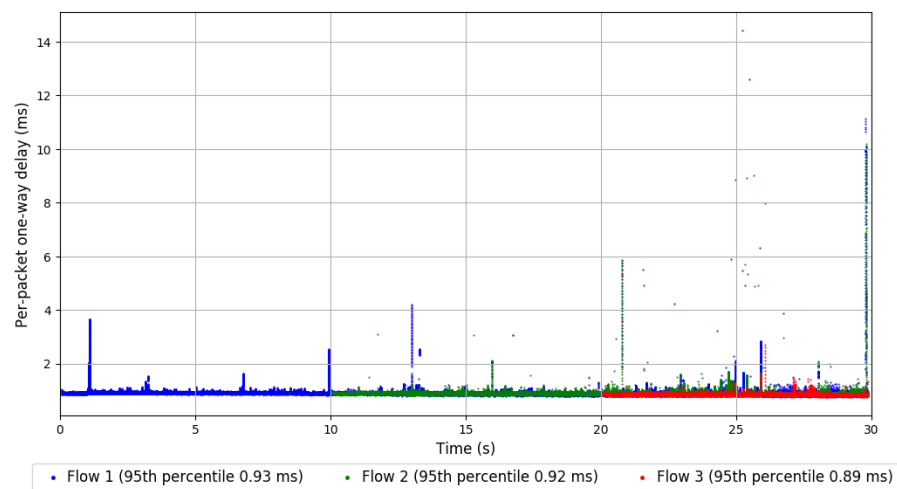
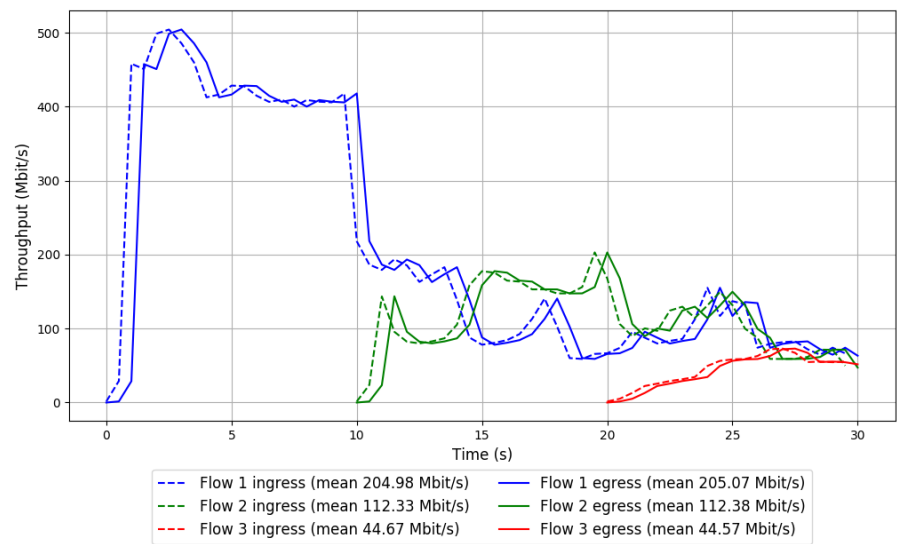
-- Flow 3:

Average throughput: 44.57 Mbit/s

95th percentile per-packet one-way delay: 0.894 ms

Loss rate: 0.43%

Run 4: Report of PCC-Vivace — Data Link

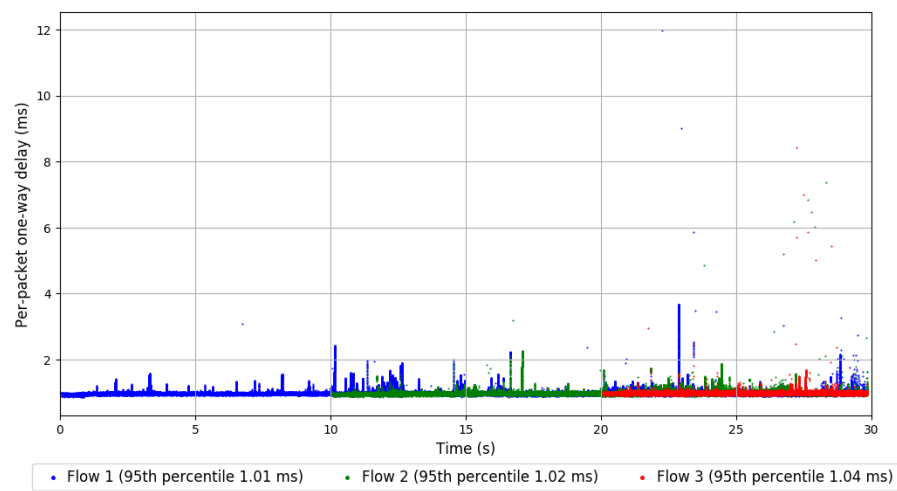
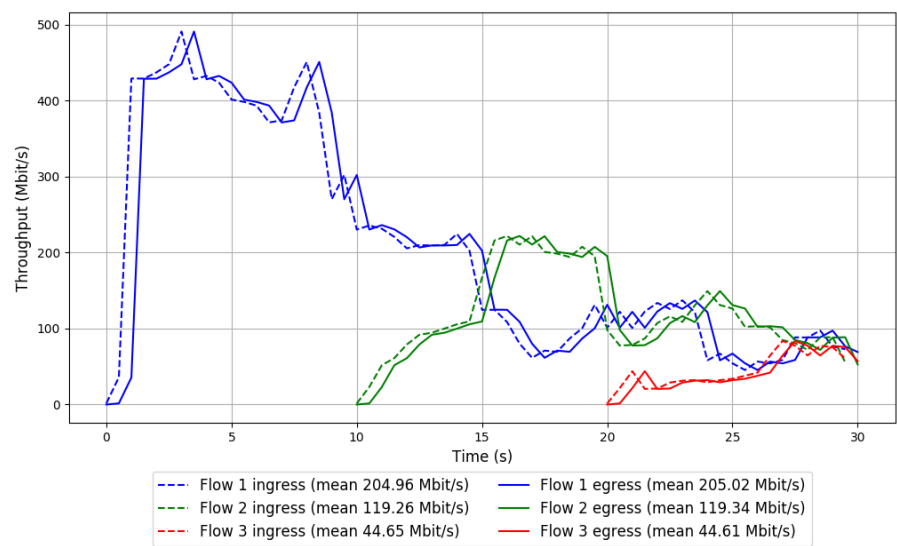


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-30 16:07:34
End at: 2018-06-30 16:08:04
Local clock offset: 3.319 ms
Remote clock offset: -0.522 ms

Below is generated by plot.py at 2018-06-30 20:43:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.05 Mbit/s
95th percentile per-packet one-way delay: 1.020 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 205.02 Mbit/s
95th percentile per-packet one-way delay: 1.010 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 119.34 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 44.61 Mbit/s
95th percentile per-packet one-way delay: 1.041 ms
Loss rate: 0.41%

Run 5: Report of PCC-Vivace — Data Link

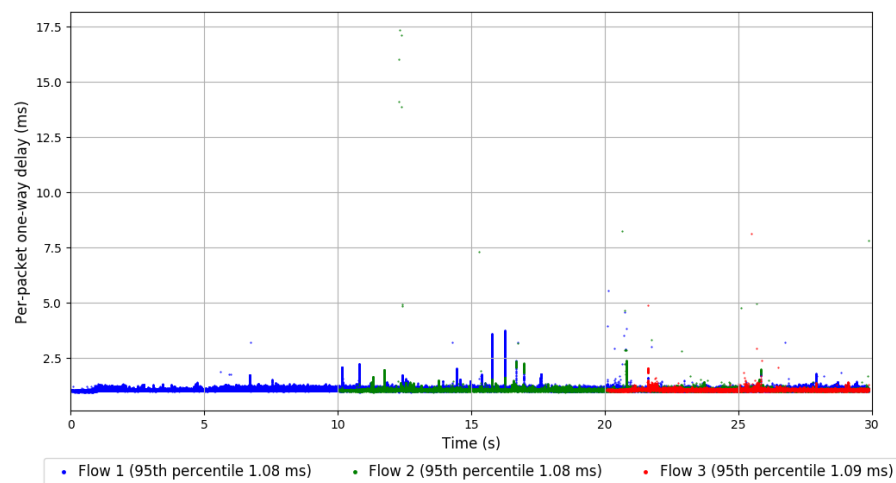
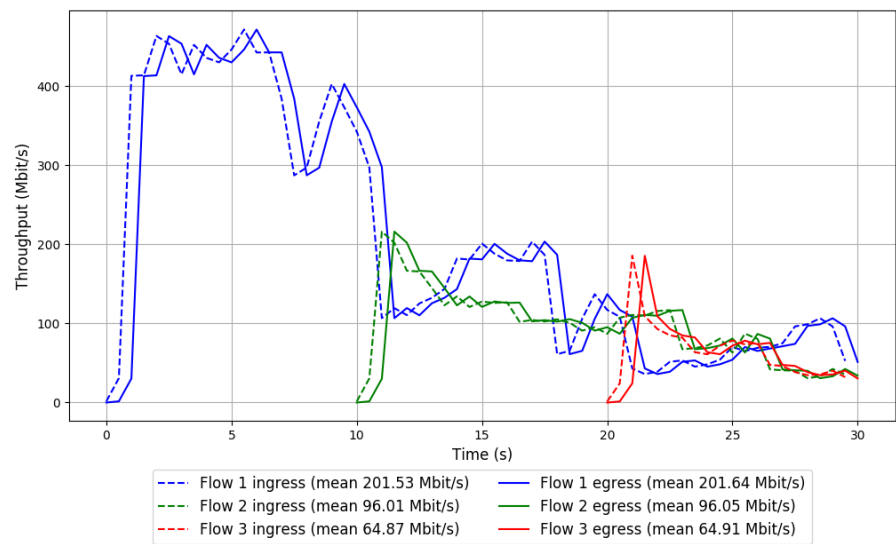


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-30 16:34:01
End at: 2018-06-30 16:34:31
Local clock offset: 0.116 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-06-30 20:44:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.79 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 201.64 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.13%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-30 17:00:34

End at: 2018-06-30 17:01:04

Local clock offset: 2.738 ms

Remote clock offset: 3.685 ms

Below is generated by plot.py at 2018-06-30 20:44:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 280.59 Mbit/s

95th percentile per-packet one-way delay: 0.948 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 223.18 Mbit/s

95th percentile per-packet one-way delay: 0.948 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 59.83 Mbit/s

95th percentile per-packet one-way delay: 0.949 ms

Loss rate: 0.12%

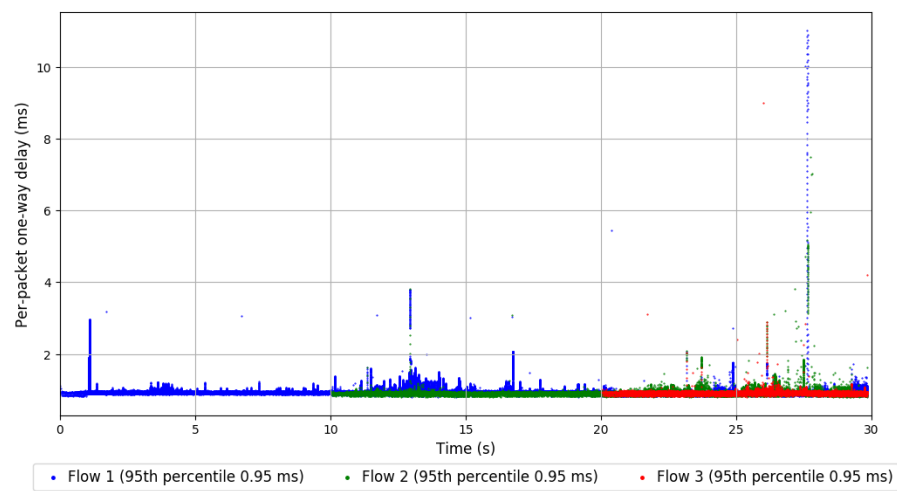
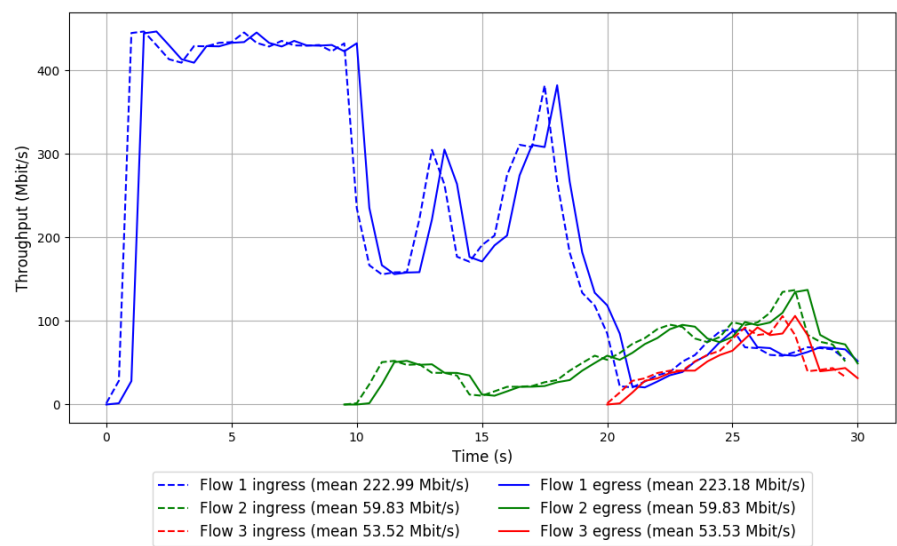
-- Flow 3:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 0.952 ms

Loss rate: 0.17%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 17:27:16

End at: 2018-06-30 17:27:46

Local clock offset: 0.964 ms

Remote clock offset: 3.463 ms

Below is generated by plot.py at 2018-06-30 20:44:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 281.28 Mbit/s

95th percentile per-packet one-way delay: 1.081 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 195.33 Mbit/s

95th percentile per-packet one-way delay: 1.068 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 97.89 Mbit/s

95th percentile per-packet one-way delay: 1.098 ms

Loss rate: 0.12%

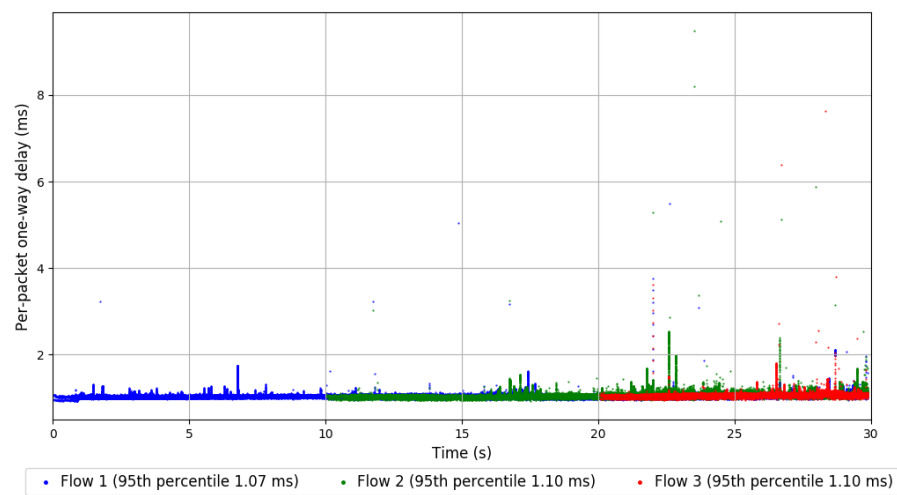
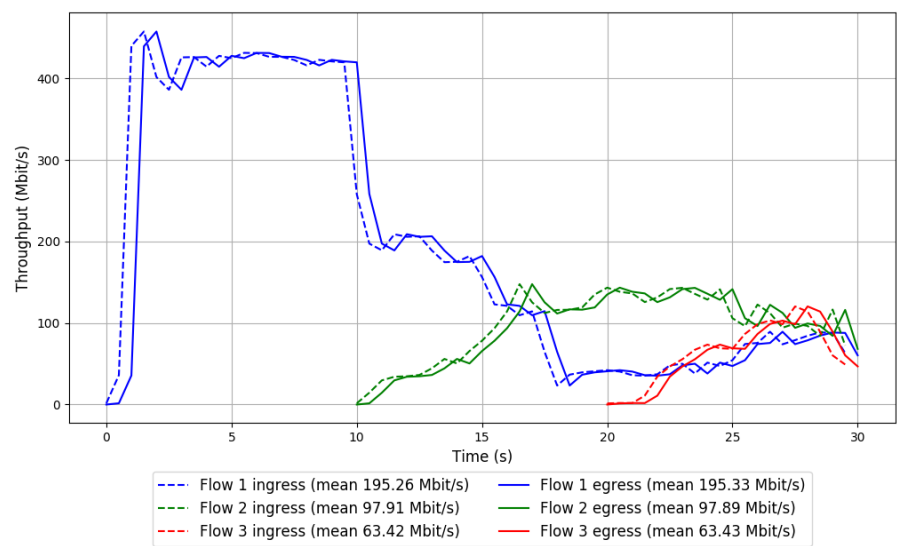
-- Flow 3:

Average throughput: 63.43 Mbit/s

95th percentile per-packet one-way delay: 1.099 ms

Loss rate: 0.19%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 17:53:55

End at: 2018-06-30 17:54:25

Local clock offset: 2.364 ms

Remote clock offset: 1.007 ms

Below is generated by plot.py at 2018-06-30 20:44:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 317.29 Mbit/s

95th percentile per-packet one-way delay: 0.800 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 216.29 Mbit/s

95th percentile per-packet one-way delay: 0.803 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 117.82 Mbit/s

95th percentile per-packet one-way delay: 0.743 ms

Loss rate: 0.12%

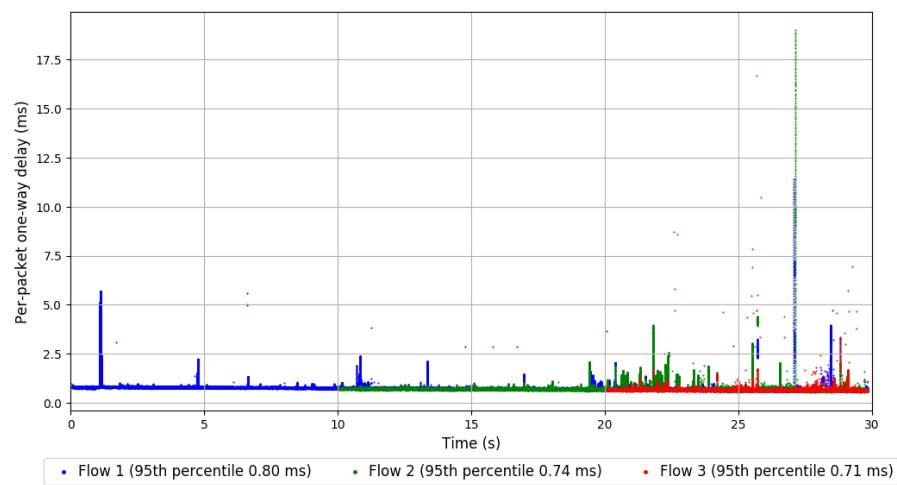
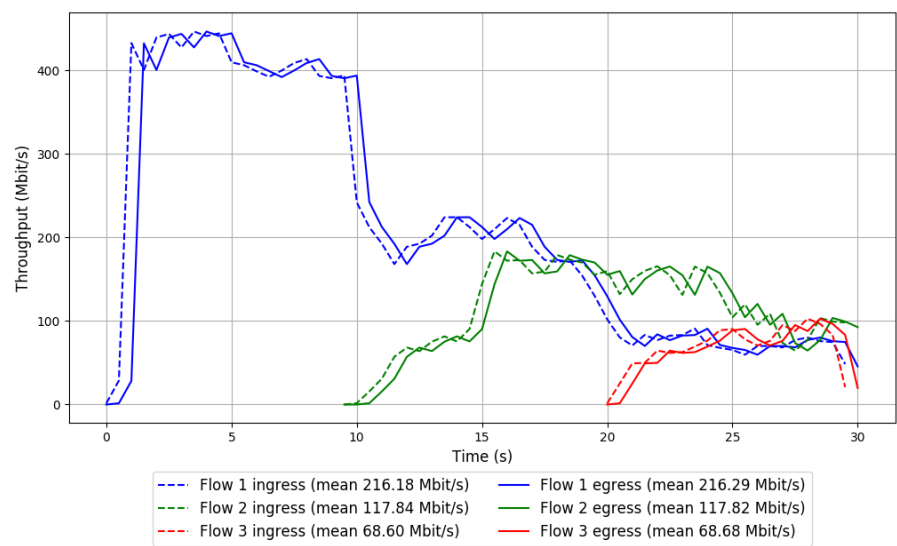
-- Flow 3:

Average throughput: 68.68 Mbit/s

95th percentile per-packet one-way delay: 0.710 ms

Loss rate: 0.08%

Run 9: Report of PCC-Vivace — Data Link

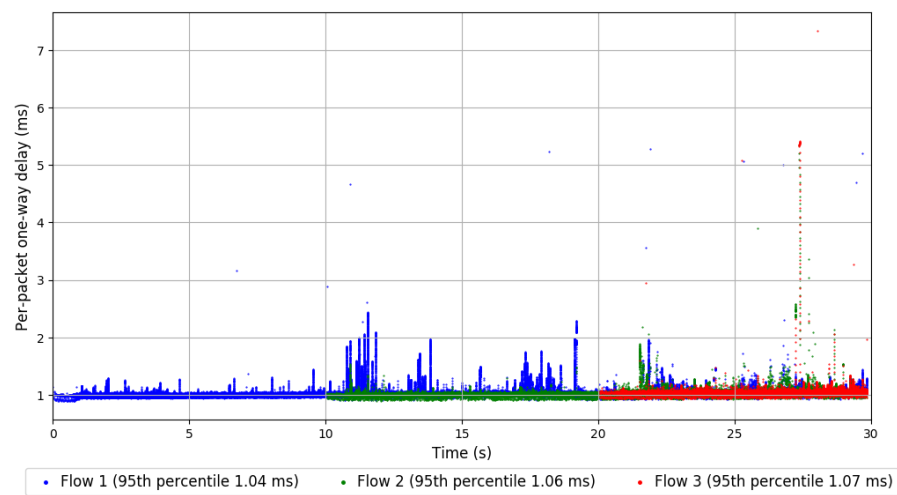
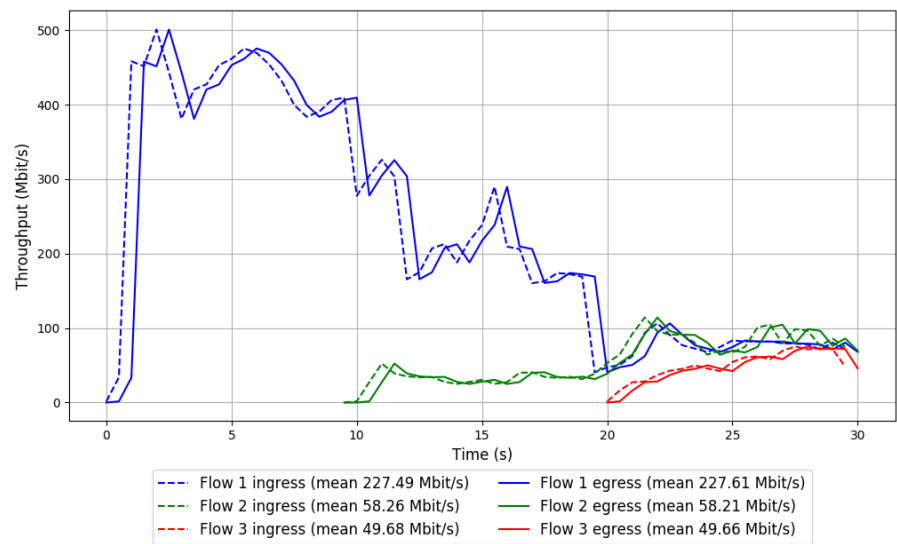


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 18:20:17
End at: 2018-06-30 18:20:47
Local clock offset: 3.811 ms
Remote clock offset: -1.082 ms

Below is generated by plot.py at 2018-06-30 20:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.65 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 227.61 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 49.66 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.25%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-30 14:32:27

End at: 2018-06-30 14:32:57

Local clock offset: 3.224 ms

Remote clock offset: 2.776 ms

Below is generated by plot.py at 2018-06-30 20:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.47 Mbit/s

95th percentile per-packet one-way delay: 1.149 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 1.145 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 1.148 ms

Loss rate: 0.00%

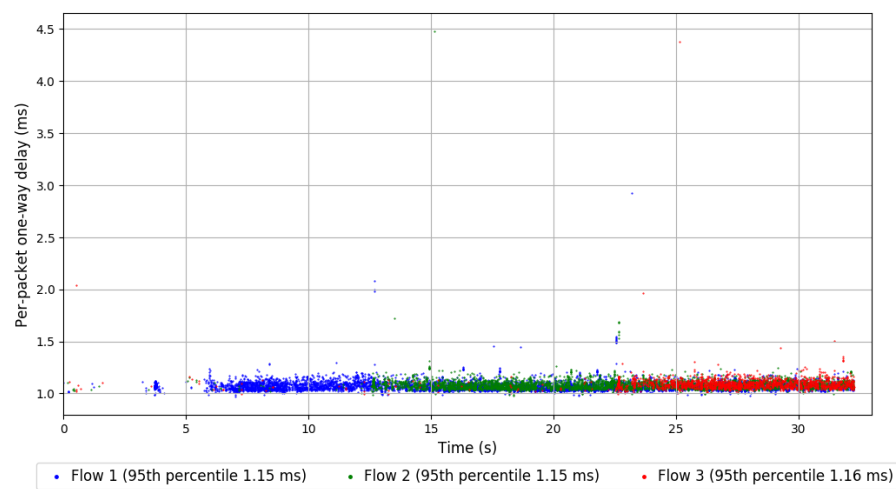
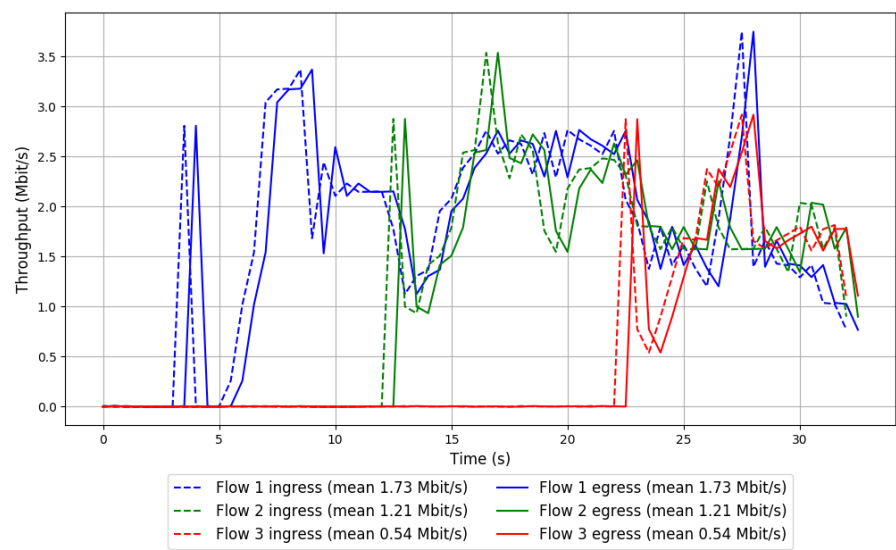
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 1.159 ms

Loss rate: 0.05%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-30 14:59:05

End at: 2018-06-30 14:59:35

Local clock offset: 0.46 ms

Remote clock offset: 3.032 ms

Below is generated by plot.py at 2018-06-30 20:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 1.208 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 1.199 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 1.215 ms

Loss rate: 0.00%

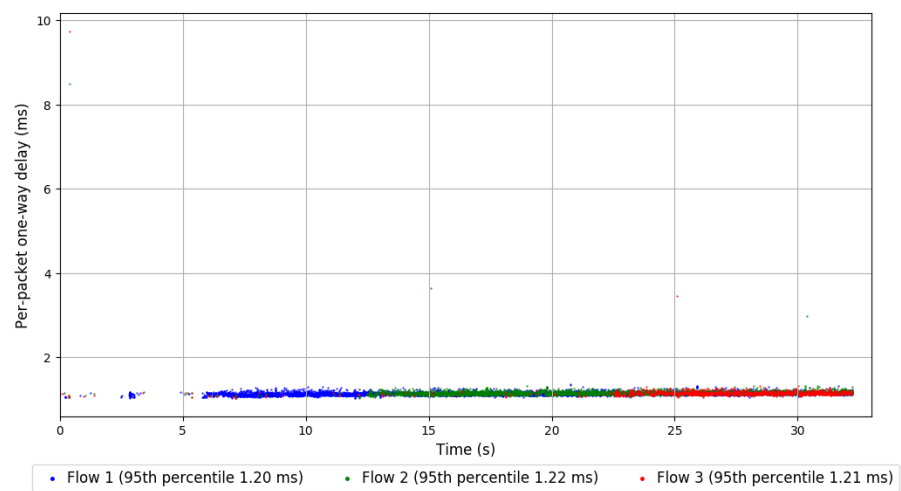
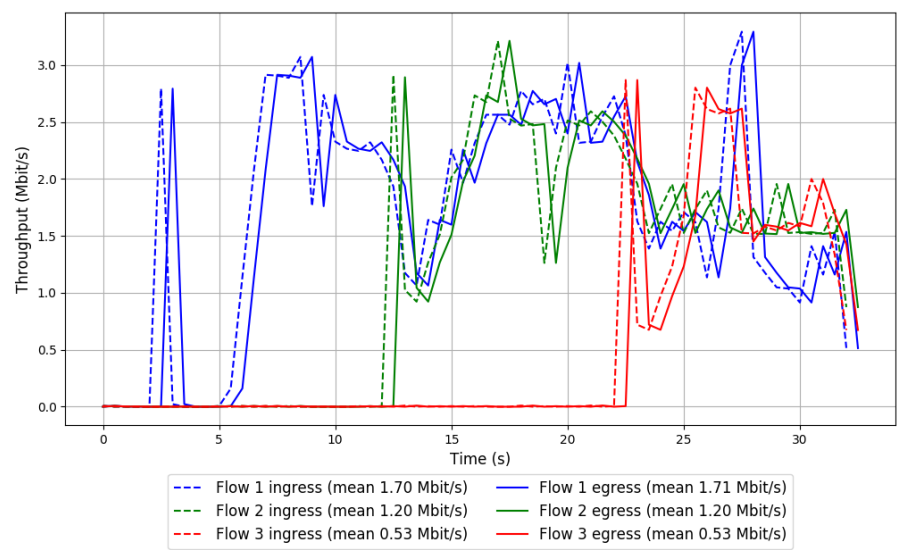
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-30 15:25:42

End at: 2018-06-30 15:26:12

Local clock offset: 2.318 ms

Remote clock offset: 3.334 ms

Below is generated by plot.py at 2018-06-30 20:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.49 Mbit/s

95th percentile per-packet one-way delay: 0.940 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 0.938 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 0.944 ms

Loss rate: 0.00%

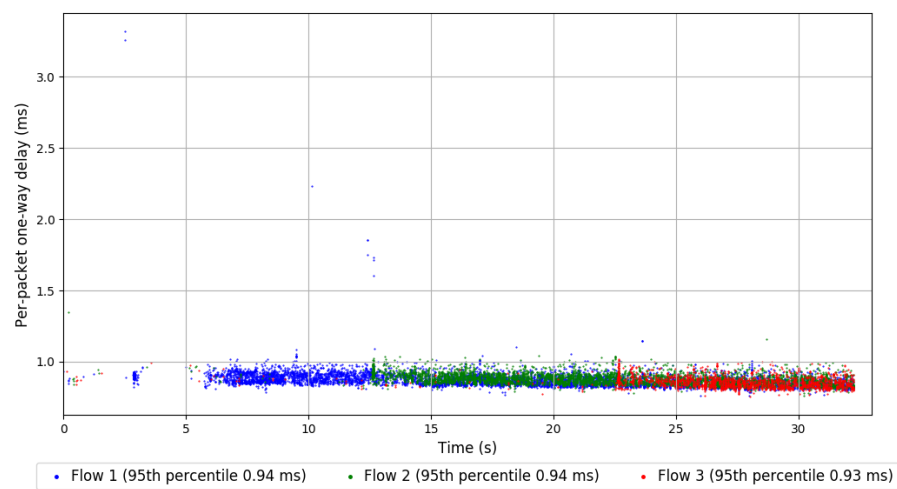
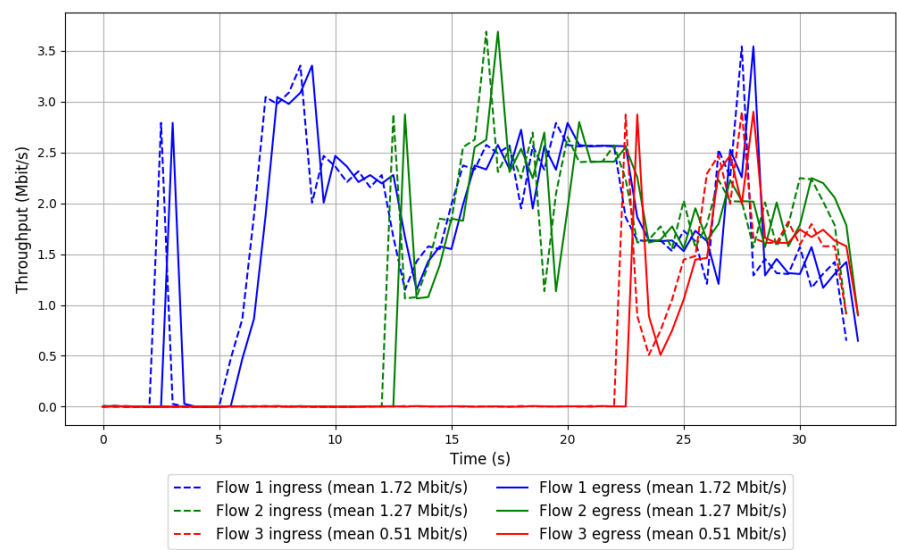
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 0.933 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-30 15:52:15

End at: 2018-06-30 15:52:45

Local clock offset: 3.418 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-06-30 20:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.29%

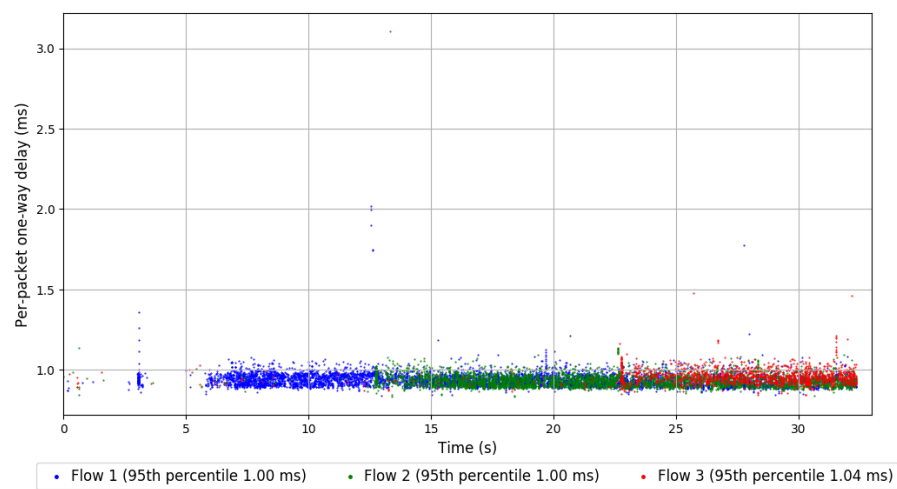
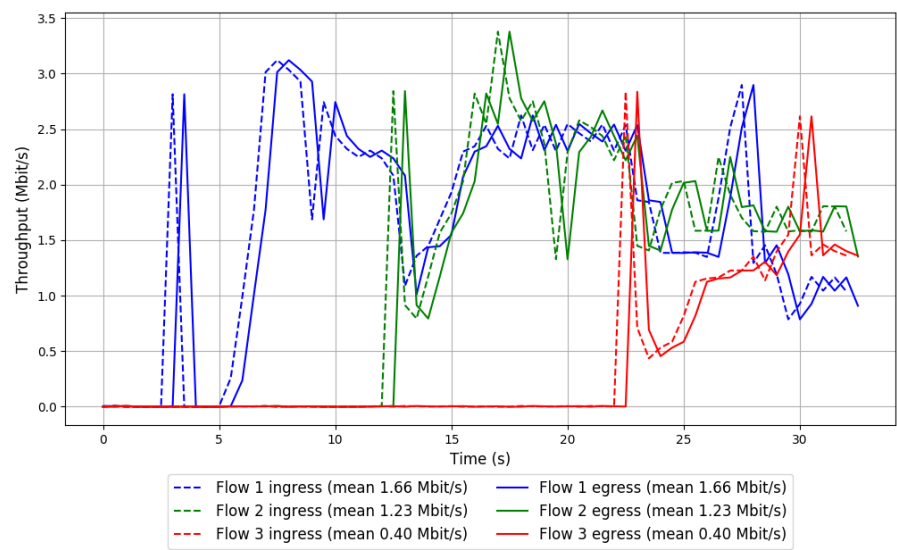
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 1.040 ms

Loss rate: 0.01%

Run 4: Report of WebRTC media — Data Link

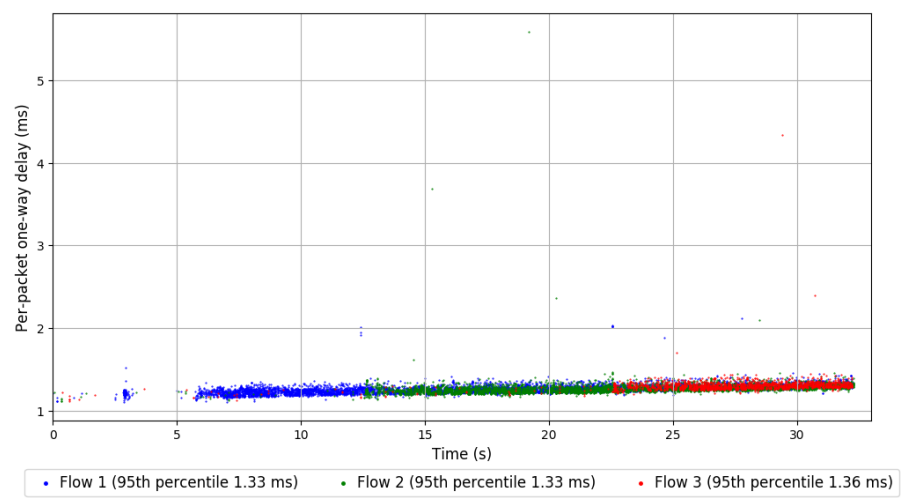
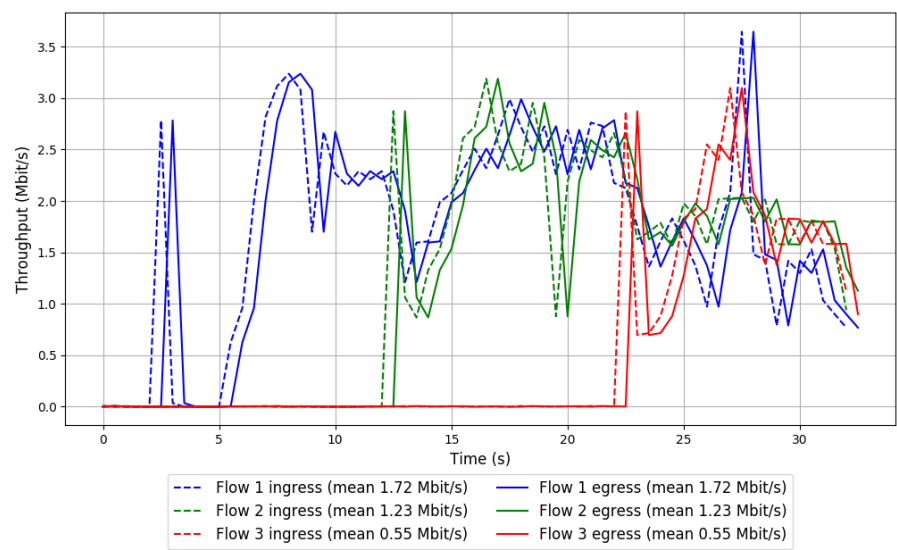


Run 5: Statistics of WebRTC media

Start at: 2018-06-30 16:18:43
End at: 2018-06-30 16:19:13
Local clock offset: 2.277 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-06-30 20:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 1.335 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 1.365 ms
Loss rate: 0.64%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-30 16:45:13

End at: 2018-06-30 16:45:43

Local clock offset: -0.547 ms

Remote clock offset: 1.99 ms

Below is generated by plot.py at 2018-06-30 20:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 0.944 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 0.956 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 0.920 ms

Loss rate: 0.00%

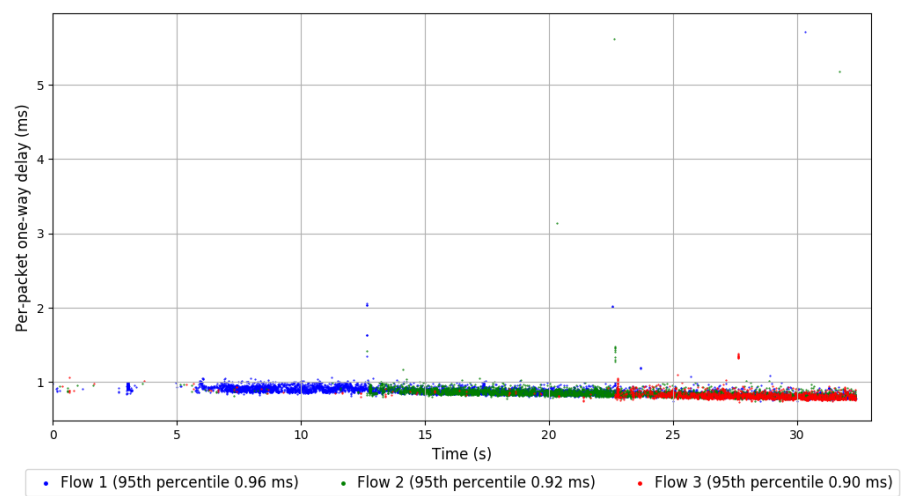
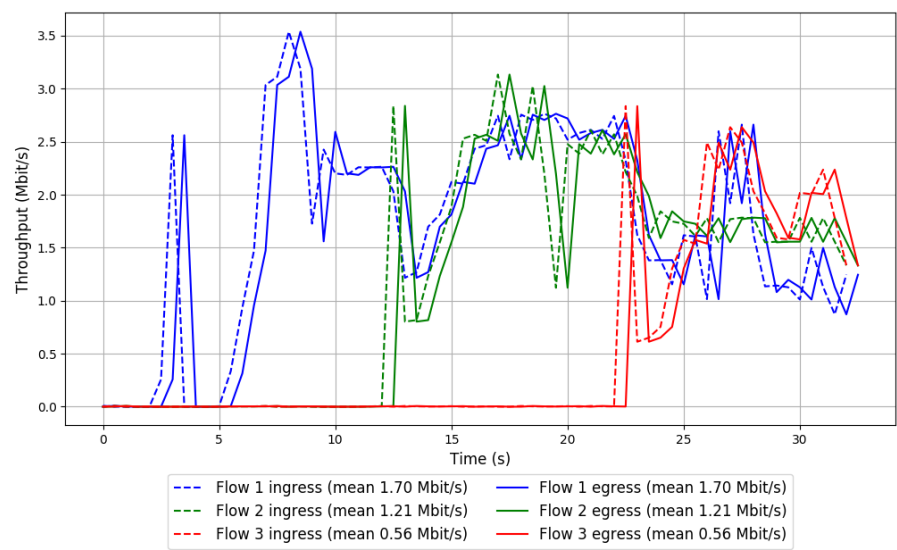
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 0.897 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-30 17:11:53

End at: 2018-06-30 17:12:23

Local clock offset: 3.279 ms

Remote clock offset: 4.04 ms

Below is generated by plot.py at 2018-06-30 20:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 0.989 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 0.977 ms

Loss rate: 0.00%

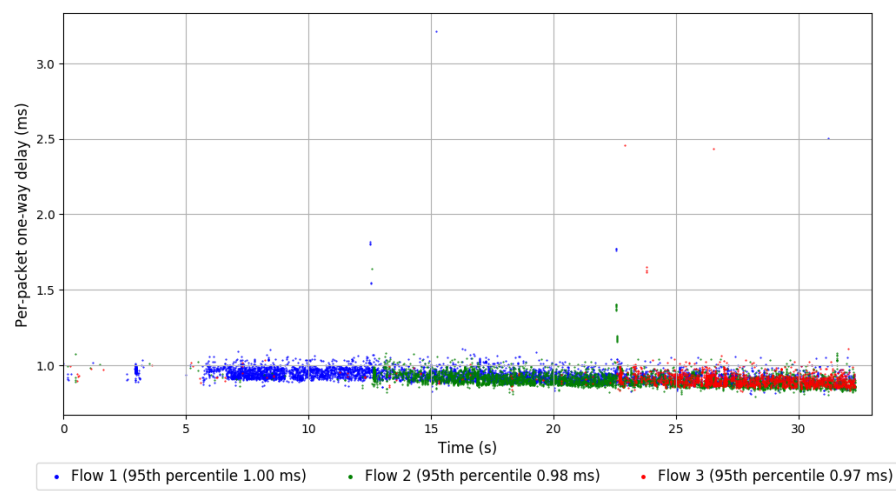
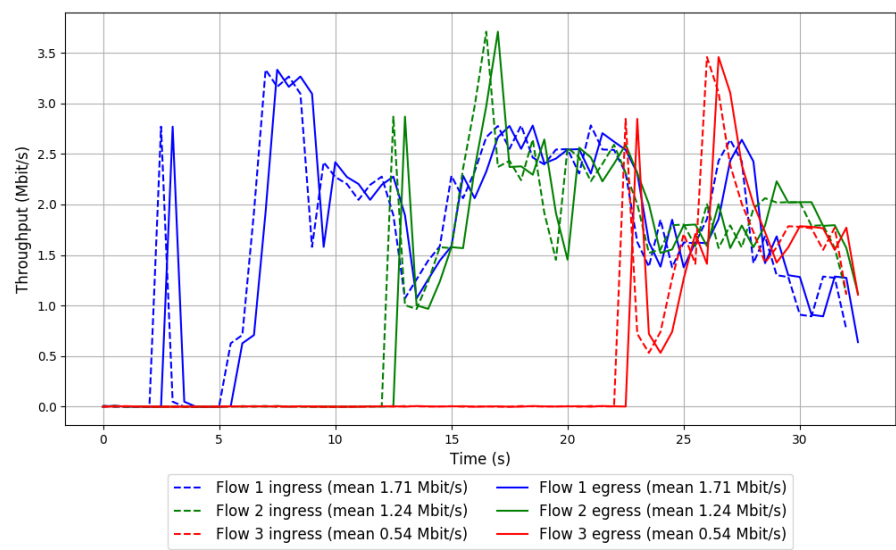
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 0.975 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-30 17:38:29

End at: 2018-06-30 17:38:59

Local clock offset: 0.215 ms

Remote clock offset: 3.46 ms

Below is generated by plot.py at 2018-06-30 20:44:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 1.191 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 1.182 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.00%

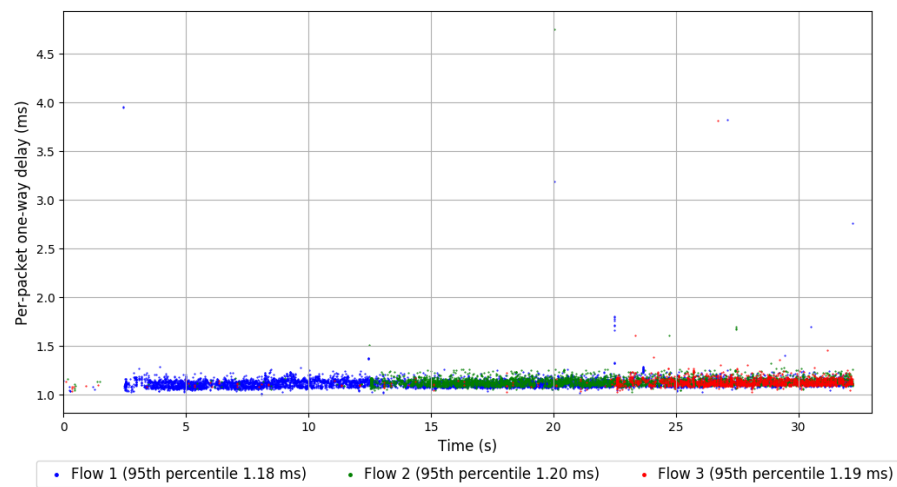
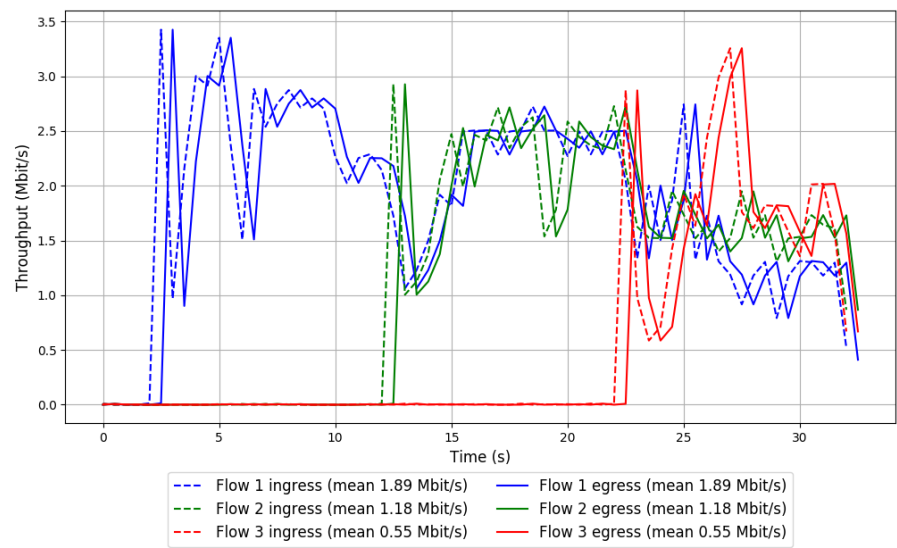
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 1.193 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

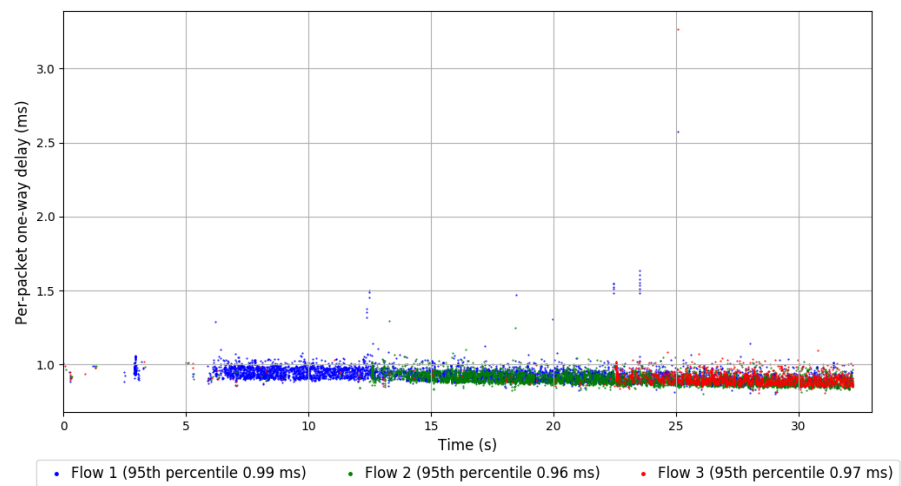
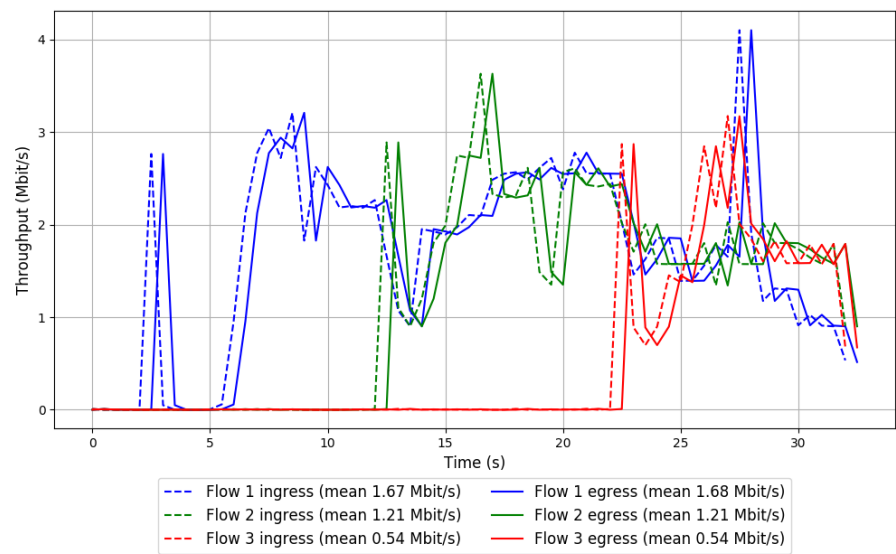


Run 9: Statistics of WebRTC media

Start at: 2018-06-30 18:04:56
End at: 2018-06-30 18:05:26
Local clock offset: 3.547 ms
Remote clock offset: -0.459 ms

Below is generated by plot.py at 2018-06-30 20:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 0.983 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 0.972 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 18:31:33
End at: 2018-06-30 18:32:03
Local clock offset: 3.633 ms
Remote clock offset: -0.698 ms

Below is generated by plot.py at 2018-06-30 20:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 1.043 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

